ORDER NO. VMD9612M145

Service Manual

General Description
Adjustment Procedures
Block / Schematic Diagrams
Exploded Views / Parts List

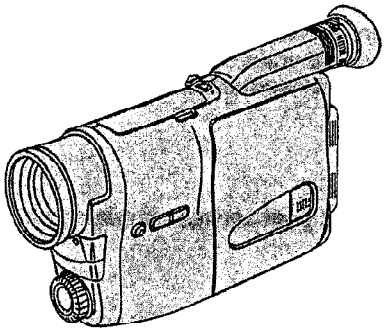
Panasonic VHS C PAL

HQ

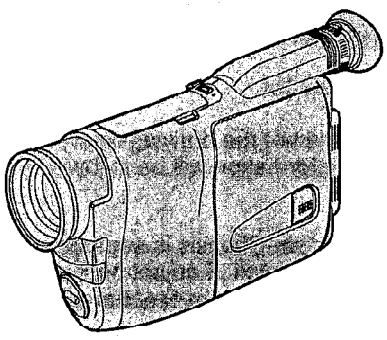
VHS-C Movie

NV-RX9B
NV-RX10EG/A EN/EU
NV-RX19B
NV-RX20EG/EN EU

DL-MECHANISM



NV-RX19
NV-RX20



NV-RX9
NV-RX10

SPECIFICATIONS

ITEM	SPECIFICATION
POWER	Source: Battery Pack; 4.8 V DC AC Adaptor; 6.0 V DC Consumption; 6.0 W (Battery operation)
VIDEO RECORDING SYSTEM	4 rotary heads, helical scanning system PAL
TAPE FORMAT	VHS-C Cassette Tape (Tape width 12.7 mm)
TAPE SPEED	SP mode: 23.39 mm/s LP mode: 11.7 mm/s (Except NV-RX10EG/20EG) Record/Playback Time: SP mode: 1 hour with EC60 LP mode: 2 hours with EC60 (Except NV-RX10EG/20EG)
CAMERA	PICK-UP ELEMENT: CCD (Charge Coupled Device)
	STANDARD ILLUMINATION: 1,400 lux
	MINIMUM REQUIRED ILLUMINATION: 0.5 Lux (Low Light Mode)
	LENS: 14 : 1 Wide-angle Power Zoom Lens with Digital AI Auto Focus, Auto Iris, Auto Focus System, F1.4 (3.9~54.6 mm), Filter Diameter 43 mm
	IMAGE SENSOR: 1/4 inch CCD Image Sensor
	VIEWFINDER: 0.5 inch Electronic Viewfinder

ITEM	SPECIFICATION
VIDEO	HEADS: 4 rotary heads, 1 flying erase head
	OUTPUT: PHONO CONNECTOR; 1.0 Vp-p 75Ω unbalanced
AUDIO	HEAD: 1 Stationary head (Normal-Mono)
	OUTPUT: PHONO CONNECTOR; −6 dB, 47 kΩ loaded/less than 1kΩ
OPERATING TEMPERATURE	0~40°C
OPERATING HUMIDITY	10~80%
WEIGHT	Approx. 730 g (without Battery Pack): NV-RX9/10 Approx. 760 g (without Battery Pack): NV-RX19/20
DIMENSIONS	74 (W)×143 (H)×260 (D) mm
STANDARD ACCESSORIES	1 pc. AC Adaptor 1 pc. Battery Pack 1 pc. Cassette Adaptor 1 pc. Shoulder Strap 1 pc. DC Input Cable 1 pc. Battery for Cassette Adaptor Operation 1 pc. AC Cable 1 pc. AV Output Cable

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

INTRODUCTION 1

This service manual contains technical information which will allow service personnel's to understand and service this model.

Section 1 Presents you with some general information of features and controls, enabling you to become familiar with each function.

Section 2 Contributes to your electrical adjustment as well disassemble and replacement procedures.

Section 3 Contain block diagram which offers you information for checking and understanding each circuit. Schematic diagrams which give you detailed information such as waveforms, voltage data, function e.t.c...

Section 4 Contain exploded views and parts list.

Please place orders using the parts list and not the drawing reference numbers.
If the circuit is changed or modified, this information will be followed by supplement service manual to be filed with original service manual.

Note 1 : Adjustment procedure for Mechanism-Chassis is separate volume.
Please refer to following manual for detail of adjustment procedure for Mechanism-Chassis.
Order number for adjustment procedure of Mechanism-Chassis **:VMD9412M130**

Note 2 : Please use the following TATSUJIN's software for adjustment of these movie cameras.
TATSUJIN software Part number for adjustment procedure :

MODEL No.	SUFFIX	**PART No.**	MODEL No.	SUFFIX	**PART No.**
NV-RX9	B	**VFK1164T007T**	NV-RX19	B	**VFK1164T008T**
NV-RX10	EG	**VFK1164T004T**	NV-RX20	EG	**VFK1164T009T**
NV-RX10	A	**VFK1164T003T**	NV-RX20	EN	**VFK1164T010T**
NV-RX10	EN	**VFK1164T005T**	NV-RX20	EU	**VFK1164T011T**
NV-RX10	EU	**VFK1164T006T**			

These will be uploaded on CS-Net until the end of December in 1996.
Also if you require it with a floppy disk, please order it as usual spare parts route.

Note 3 : This movie camera uses AC Adaptor is VSK0317D.
The Service manual for AC Adaptor is separate volume.
Order number for AC Adaptor is VSK0317D **:VMD9612M146**

INTRODUCTION 2

NOTE 1 : NV-RX10EN

NV-RX10EN series has to versions depends on countries.
Detail as follows.

Model-No(Version)	NV-RX10EN	NV-RX10ENH
PACKING CASE	VPG8837	VPG8838
AC-CABLE	VJA0998	VJA0940

NOTE 2 : NV-RX20EN

NV-RX20EN series has to versions depends on countries.
Detail as follows.

Model-No(Version)	NV-RX20EN	NV-RX20ENH
PACKING CASE	VPG8844	VPG8845
AC-CABLE	VJA0998	VJA0940

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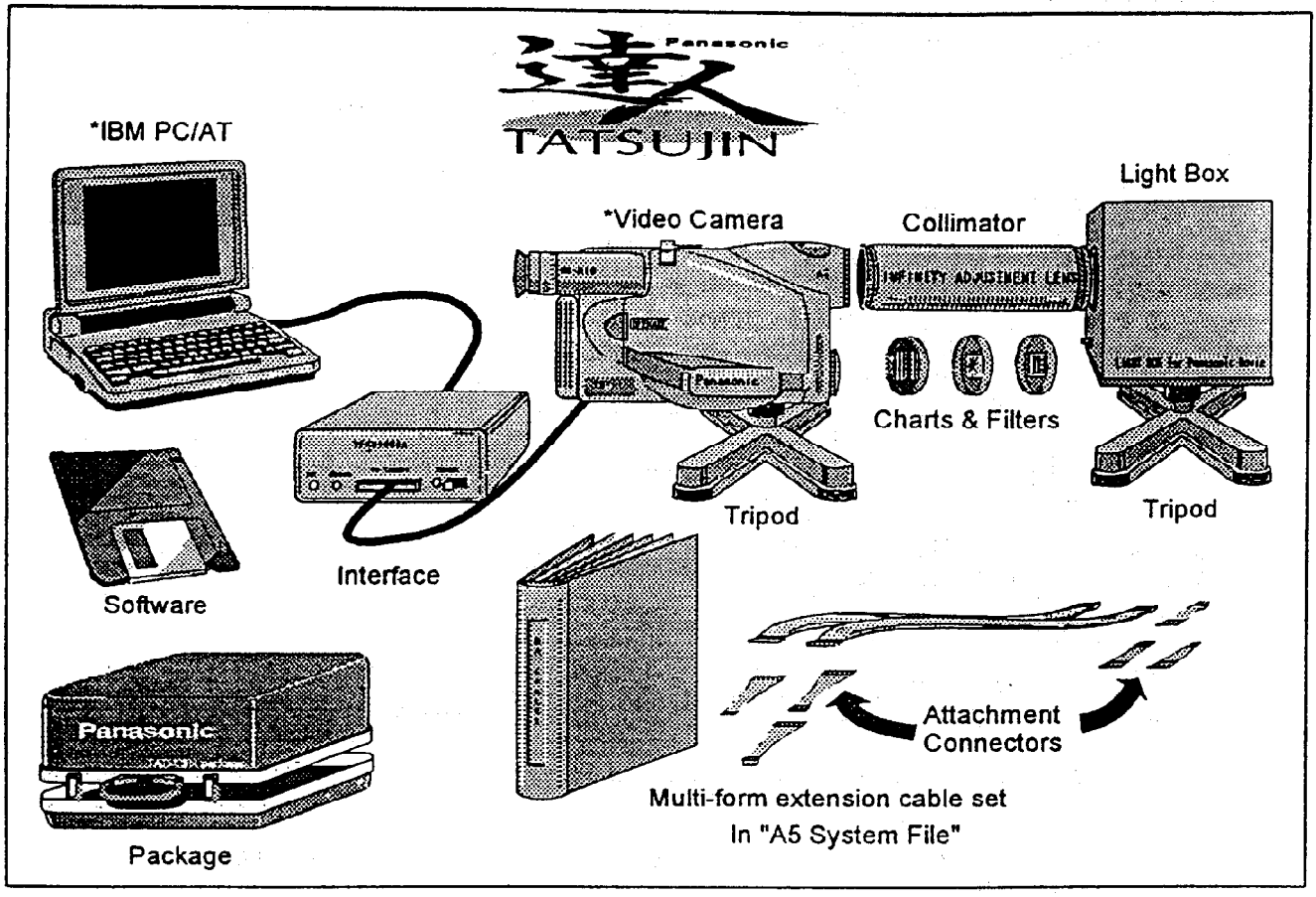
Technical Information

Subject: Introduction of new service device kit "TATSUJIN"(VED95TTJ).



A new service device kit for Video Camera, "TATSUJIN" Kit, is now avaiable from Panasonic.
"TATSUJIN" is a Japanese word whic means a specialist, expert, or master in English.
This naming was made because the kit will make you a"TATSUJIN" of Panasonic Video Camera servicing.
The "TATSUJIN" itconsists ofthe following 3 items which are simply organized in a small package.
All of which will drastically improve your productivity of Video Camera servicingin terms of Diagnosis, Adjustment, and Confirmation.

1. PC-EVR. (Interface, Software, Connecting Cables)

It connect a Camera to your IBM PC/AT so that the adjustment and trouble-shooting can be done easily on PC screen.
The time used to taken by the camera adjustment will be reduced more than 60%. In addition, Its diagnosis support function helps you to improve the sservice efficiency drastically.
The conventional EVR(VFK0644) will be replaced by this new computer-aided system.

Note: *PC and *Camera are not included in the kit. The minimum requirement of the PC is 80286 CPU, 1MB RAM, and MS-DOS 3.2. For further information, please contact Video Equipment Division.

2. Optical Set. (Collimator, Charts & Filters, Light Box, Tripods)

All of the opical devices which are indispensable to service a camera but used to take a hugg space to set up, are now drastically shrunk into a compact "Desk-top space".
Now you can easily aim various charts, COLOR-BAR, GRAY-SCALE, HUNTING, and WHITE, by simply attaching them to the collimator which is inserted in a compact light box.
So that you do not have to worry about restricting external light and measuring the distance from the chart.

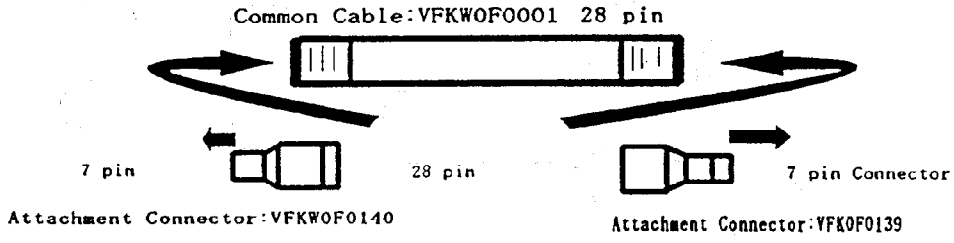
3. Multi-form Extension Cable Set.

Now you can make any kind of extension cable required, by simply changing the attachment connectors.
All of the connectors which cover all extension cables since 1990, are simply organized in a "A5 System file".
When you need a new connectot for a new model it can be purchased at extremely low price.

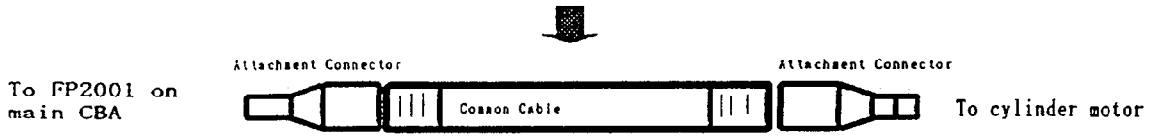
Note: Example for new type extension cables.

How to use the new type extension cables are as follows.
(This model requires new extension cables between FP2001 (Main) and CYLINDER.)

1. Attach the attachment connector (VFKW0F0139 & VFKW0F0140) to Common Cable(VFKW0F0001) as follows. Please check the direction of conductors between attachment connector and Common Cable.



2. Connect the attachment connector (VFKW0F0139) to the Cylinder Motor.
3. Connect the attachment connector (VFKW0F0140) to the FP2001 on Main C.B.A.



SERVICE CAUTION

1-1. Service Extension Cables.

Use the following extension cables when checking or adjusting individual circuit bords.

Ref.	Part No.	PIN	Part name	Connection	Q'ty	Remarks
(a)	VFK0670	18	Flat Cable	FP6001 - Mech.Chassis	1	
(b)	VFK0670	18	Flat Cable	FP2002 - Capstan Motor	1	
(c)	VFK0978	6	Flat Cable	FP6002 - Mech.Chassis	1	
(d)	VFK0929	12	Flat Cable	PP201 - CCD	1	
(e)	VFK0980	9	Flat Cable	FP4001 - A/C HEAD	1	
(f)	VFK0913	18	Flat Cable	FP701 - LENS UNIT	1	
(g)	VFKW0F0139	7	Attachment Connector	FP2001 - CYLINDER	1	Included in
	VFKW0F0140	7	Attachment Connector		1	Tatsujin-Kit
	VFKW0F0001	28	Common Cable		1	
(h)	VFK0668	24	Extension Cable	PS1001 - PP1601	1	

How to use extension cables.

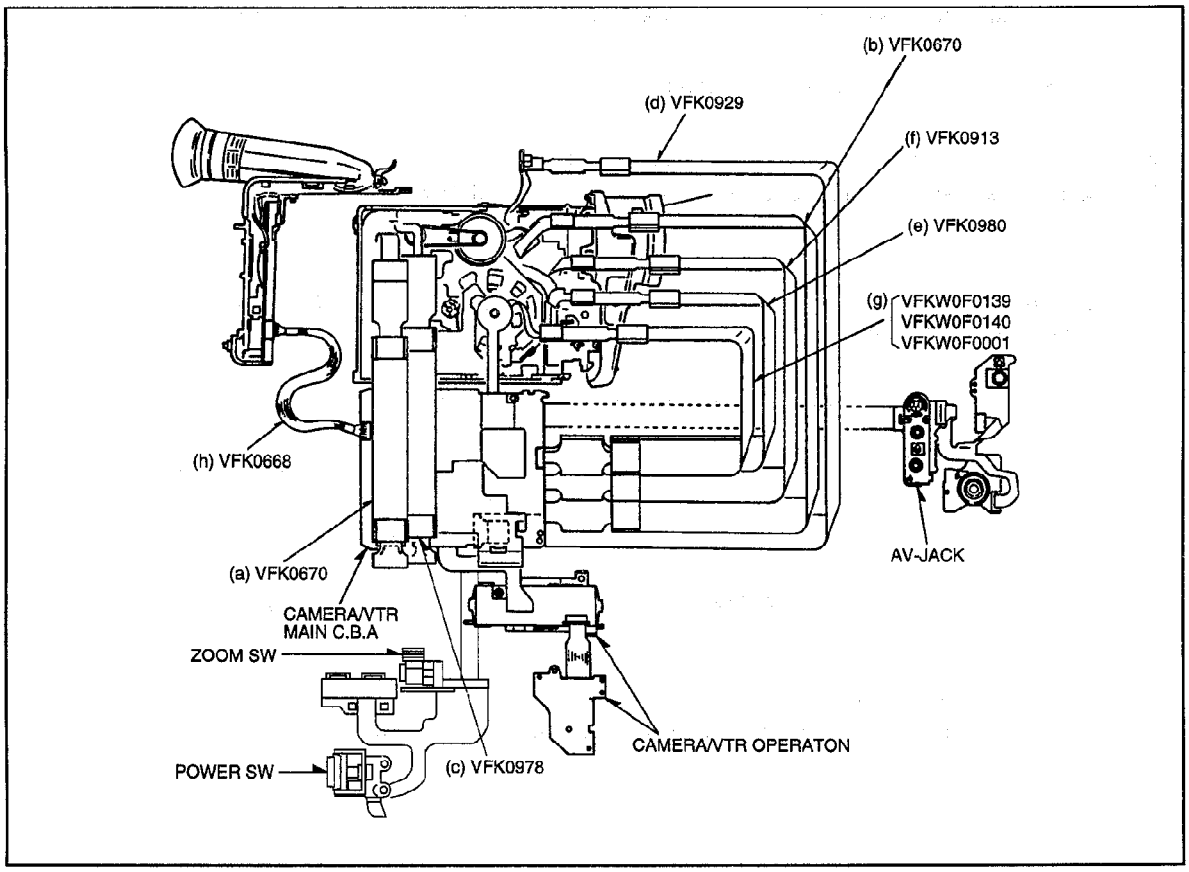


Fig.T1

Note : For serviceing, remove the 4 parts from the side case(L).

1).AV-JACK.
2).POWER SW.
3).ZOOM SW.
4).CAMERA/VTR OPERATION.

1-2. Service Extension Cables. (In case of Tatsujin Cable)

Use the following extension cables when checking or adjusting individual circuit bords.

Ref.	Part No.	PIN	Part name	Connection	Q'ty	Remarks
(a)	VFKW0F0033	18	Attachment Connector	FP6001 - Mech.Chassis	1	Included in Tatsujin-Kit
	VFKW0F0055	18	Attachment Connector		1	
	VFKW0F0001	28	Common Cable		1	
(b)	VFKW0F0033	18	Attachment Connector	FP2002 - Capstan Motor	1	
	VFKW0F0055	18	Attachment Connector		1	
	VFKW0F0001	28	Common Cable		1	
(c)	VFKW0F0128	6	Attachment Connector	FP6002 - Mech.Chassis	1	
	VFKW0F0127	6	Attachment Connector		1	
	VFKW0F0001	28	Common Cable		1	
(d)	VFKW0F0118	12	Attachment Connector	PP201 - CCD	1	
	VFKW0F0117	12	Attachment Connector		1	
	VFKW0F0001	28	Common Cable		1	
(e)	VFKW0F0132	9	Attachment Connector	FP4001 - A/C HEAD	1	
	VFKW0F0131	9	Attachment Connector		1	
	VFKW0F0001	28	Common Cable		1	
(f)	VFKW0F0111	18	Attachment Connector	FP701 - LENS UNIT	1	
	VFKW0F0112	18	Attachment Connector		1	
	VFKW0F0001	28	Common Cable		1	
(g)	VFKW0F0139	7	Attachment Connector	FP2001 - CYLINDER	1	
	VFKW0F0140	7	Attachment Connector		1	
	VFKW0F0001	28	Common Cable		1	
(h)	VFK0668	24	Extension Cable	PS1001 - PP1601	1	

How to use extension cables.

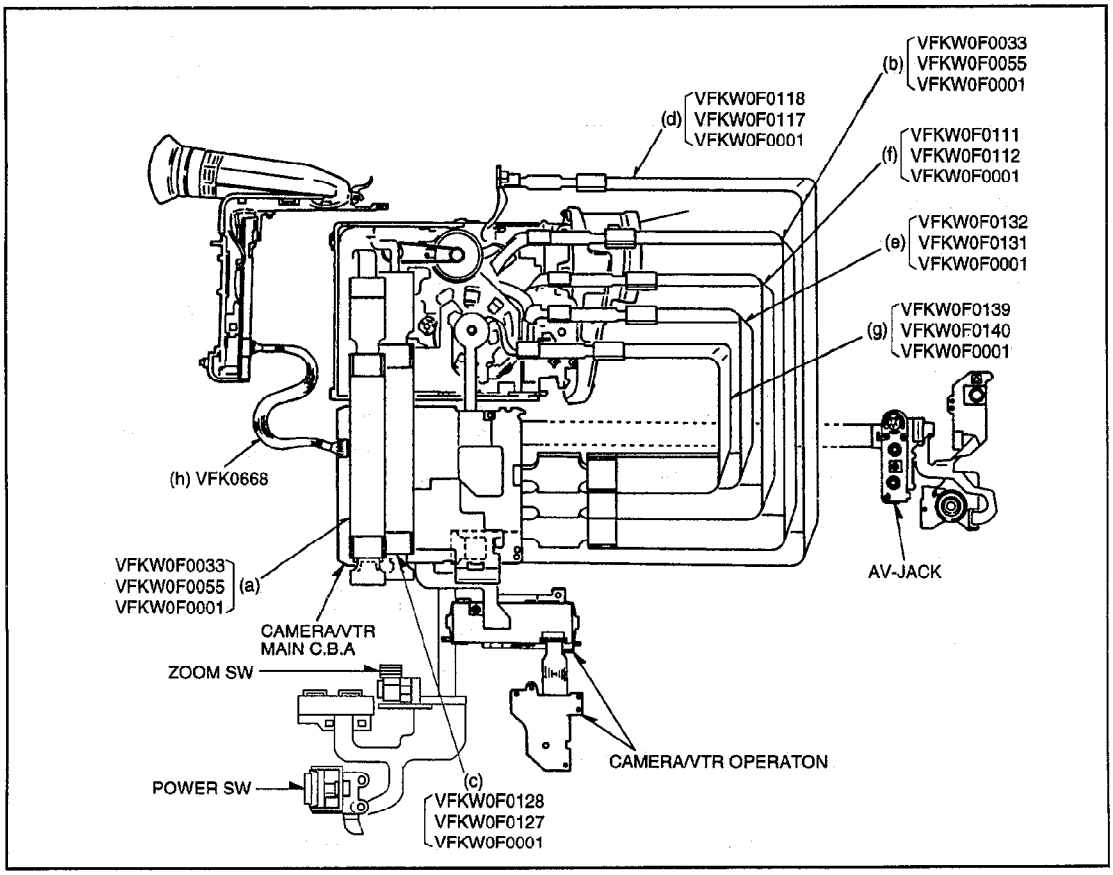


Fig.T2

1-3. Service Extension Cables. (Service Position for Movement of Mechanism)

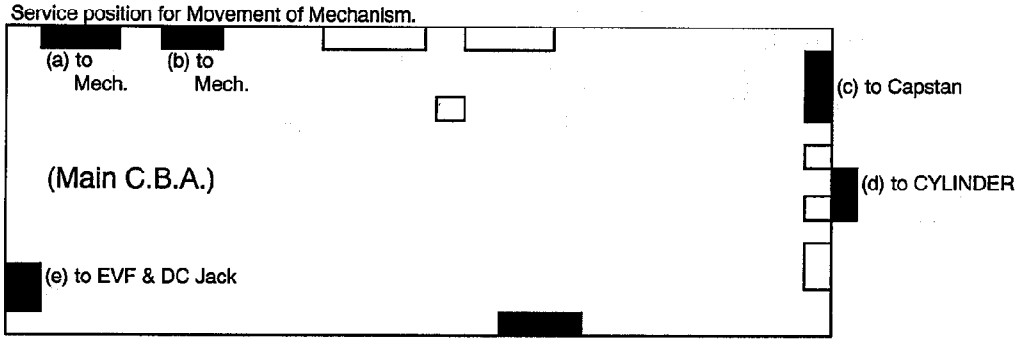
Use the following extension cables when checking the Mechanism.

Ref.	Part No.	PIN	Part name	Connection	Q'ty	Remarks
(a)	VFK0670	18	Flat Cable	FP6001 - Mech.Chassis	1	
(b)	VFK0978	6	Flat Cable	FP6002 - Mech.Chassis	1	
(c)	VFK0670	18	Flat Cable	FP2002 - Capstan Motor	1	
(d)	VFKW0F0139	7	Attachment Connector	FP2001 - CYLINDER	1	Included in Tatsujin-Kit
	VFKW0F0140	7	Attachment Connector		1	
	VFKW0F0001	28	Common Cable		1	
(e)	VFK0668	24	Extension Cable	PS1001 - PP1601	1	

In case of Tatsujin Cable.

Ref.	Part No.	PIN	Part name	Connection	Q'ty	Remarks
(a)	VFKW0F0033	18	Attachment Connector	FP6001 - Mech.Chassis	1	Included in Tatsujin-Kit
	VFKW0F0055	18	Attachment Connector		1	
	VFKW0F0001	28	Common Cable		1	
(b)	VFKW0F0128	6	Attachment Connector	FP6002 - Mech.Chassis	1	
	VFKW0F0127	6	Attachment Connector		1	
	VFKW0F0001	28	Common Cable		1	
(c)	VFKW0F0033	18	Attachment Connector	FP2002 - Capstan Motor	1	
	VFKW0F0055	18	Attachment Connector		1	
	VFKW0F0001	28	Common Cable		1	
(d)	VFKW0F0139	7	Attachment Connector	FP2001 - CYLINDER	1	
	VFKW0F0140	7	Attachment Connector		1	
	VFKW0F0001	28	Common Cable		1	
(e)	VFK0668	24	Extension Cable	PS1001 - PP1601	1	

Service position for Movement of Mechanism.



The Built-in Lithium Battery

Charging the Built-in Lithium Battery

The internal clock works even when the Movie Camera is turned off, and it consumes power from the built-in lithium battery. When the Movie Camera is in operation, it automatically charges this battery. However, if the Movie Camera is not used for a very long time, the lithium battery can become discharged. The discharged battery can be charged in the following way:

■ **How to Determine Whether the Built-in Lithium Battery Is Discharged**

1 **Turn out the [POWER] Switch to turn the Movie Camera on.**

- If the [⊜] Indication in the Finder flashes the built-in lithium battery is discharged.

■ **Charging the Built-in Lithium Battery and Other Required Operations**

2 **Connect the AC Adaptor to the Movie Camera.**

3 **Leave the Movie Camera in this condition for approximately 4 hours. Power is supplied for charging even with the [POWER] Switch turned in.**

- The Charge Indications Lamps on the AC Adaptor do not flash or light. After charging for 4 hours, the built-in lithium battery can power the clock for approximately 3 months.

4 **Set the clock to the current date and time.**

Be sure to turn the Movie Camera off before removing the Battery or disconnecting the AC Adaptor. Disconnecting the power supply while the Movie Camera is on erases the Date/Time/Title Indication stored in memory.

5. HOW TO REPLACE THE LITHIUM BATTERY (PROCEDURE)

1.Remove the EVF C.B.A. from Rear Case.
(Remove the 4 Screw from Rear Frame)
2.Unsolder the Lithium battery "VLF2330/1HF" and then replace the new one. (See Fig.B1)

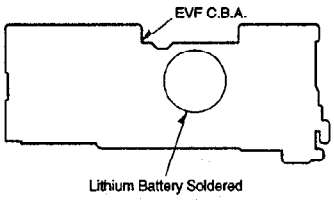


Fig.B1

NOTE:

The lithium battery is a critical component(Type No.: VL2330/1HF Manufactured by Panasonic.)

It must never be subjected to excessive heat or discharge.

It must therefore only be fitted in equipment designed specifically for its use.

Replacement batteries must be of the same type and manufacture.

They must be fitted in the same manner and location as the original battery, with the correct polarity contacts observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose.

It should be disposed of in waste products destined for burial rather than incineration.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the equipment manufacturer.

Discard used batteries according to manufacturer's instructions.

VARNING

Explosionsfara vid felaktigt batteribyte.

Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren.

Kassera använt batteri enligt fabrikantens instruktion.

ADVARSEL!

Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering.

Udskiftning må kun ske med batteri af samme fabrikat og type.

Levér det brugte batteri tilbage til leverandøren.

VAROITUS

Paristo voi räjähtää, jos se on virheellisesti asennettu.

Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

SERVICE INFORMATION

1. SERVICE INFORMATION DISPLAY

General Description

This Movie Camera has SERVICE INFORMATION DISPLAY function which facilitates quick trouble-shooting. You can turn on the Service Information Display, by performing the following procedures. This causes the Service Information to be displayed on the EVF. (There are 4 kinds of SERVICE MODE, as shown below.) In the OSD Line Output Mode, Service Information can also be viewed on the TV.

MODE NAME	FUNCTION	How to turn it ON. (Push following keys simultaneously for at least 2 sec.)		
OSD Line Output MODE	Checking the EVF information on the TV monitor.	DATE/TIME SET (TOP PANEL)	RESET (TOP PANEL)	DATE TIME (SIDE PANEL)

MODE NAME	FUNCTION	How to turn it ON. (Push following keys simultaneously for at least 2 sec.)		
SERVICE MODE 1	Remaining Battery A/D Value • Safety Device Capstan/Cylinder injuctions	DATE/TIME SHIFT (TOP PANEL)	RESET (TOP PANEL)	DATE TIME (SIDE PANEL)

MODE NAME	FUNCTION	How to turn it ON. (After chosing SERVICE MODE 1 , Push [DATE/TIME] key. (SIDE PANEL)
SERVICE MODE 2	Reference Voltage A/D Value Mechanism position Serial key code.	DATE/ TIME

MODE NAME	FUNCTION	How to turn it ON. (After chosing SERVICE MODE 2 , Push [DATE/TIME] key. (SIDE PANEL)
SERVICE MODE 3	ERROR CODE Display	DATE/ TIME

MODE NAME	FUNCTION	How to turn it ON. (After chosing SERVICE MODE 3 , Push [DATE/TIME] key. (SIDE PANEL)
SERVICE MODE 4	•PG SHIFTER ADJUSTMENT	DATE/ TIME

ERROR CODE DISPLAY

When undesirable conditions occur, the "ERROR CODE" will automatically be displayed on the EVF. Also the CAMERA LED will flash for a short time, then the power will be turned off.
By turning on Service Mode 3, you can check to see what kind of undesirable condition occured, even after the ERROR CODE has disappeared (To perform the Service Mode 3, do not disconnect the AC adoptor or battery pack, after undesiable condition occured.)
To clear the ERROR CODE, disconnect the AC Main Lead or the battery has been diconnected.

This movic camera has the built in Rechargeble Lithum Battery.
It maintain the operation of the built-in clock and error code for the Service Mode when the Movie camera turn off.
To clear the error code, make shoot the IC6001 pin 25 to GND for reset the IC6001.
Indication for built in clock return to initial condition make make reset the IC6001.

Note 1:Contents of all Service Mode(Service Mode 1~Service Mode 4) same as privious models.
So we will issure Techincal information for Service Mode.
Order Number for this document is as follows.
Order Number for Techinical Information : VMD9512M138

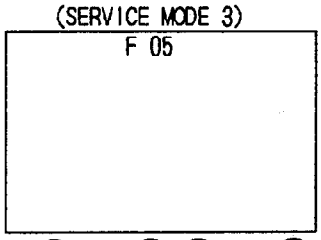
Note 2 : Contents of all Service Mode(Service Mode 1~Service Mode 4) same as privious models.
We will issure Techincal information for Service Mode.
But Service Mode 3 is Error code Display. It is important for Service.
So this service manual contain for this information.

SERVICE MODE 3

After undesirable conditions occured, you can see what kind of error occured by turning on the Service Mode 3.
When you turn on the service mode 3, the error code is displayed on E.V.F.
Also the Camera LED is flashed according to Error code.

(SERVICE MODE 3)

Display: (Example)



F 0 5
*.Detected the Cylinder lock

Display position ⇒ O : O O. O O (The position of linear time counter)
(See Fig. I)
Blank (No display)
01~05, 10~11, 51, 52
F or U

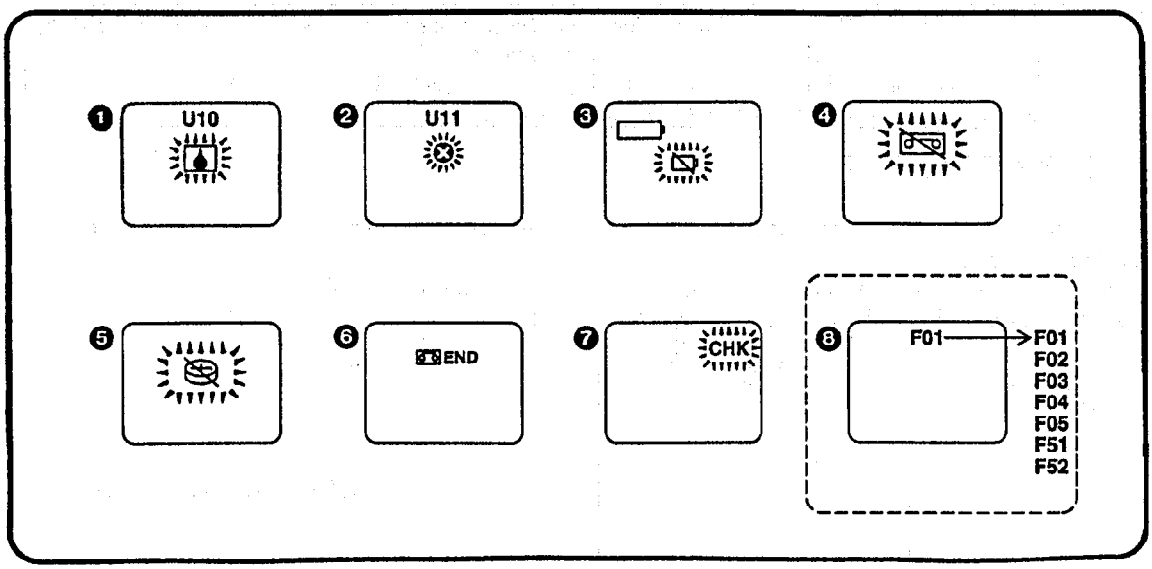
DISPLAY	CONDITION	The Power off timing
F 0 1	T-REEL LOCK	After 1 minute (flashing the LED)
F 0 2	S-REEL LOCK	
F 0 3	UNLOADING LOCK	
F 0 4	LOADING LOCK	
F 0 5	CYLINDER LOCK	
F 5 1	FOCUS MOTOR LOCK	----------
F 5 2	ZOOM MOTOR LOCK	
U 1 0	DEW DETECTION	After 18 minutes(flashing the LED)
U 2 0	HEAD CLOGGING	Not turning off

Fig. I Error Code

Lock Condition	Power LED Flashing Timming
T-REEL LOCK (F01)	↔ 2.56sec
S-REEL LOCK (F02)	↔ 0.16sec
UNLOADING LOCK (F03)	
LOADING LOCK (F04)	
CYLINDER LOCK (F05)	
OTHERS (U10 & U11)	Power LED is flashed at 1 Hz timing

Fig. J LED Flashing Timing

SECTION 1
GENERAL DESCRIPTIONS



Indications in the Finder

■ Warning/Alarm Indications

❶ Condensation

❷ Dirty Video Heads

❸ Remaining Battery Power
When the last segment of this indication has disappeared, the Movie Camera automatically switches off. Replace the Battery with a fully charged one.

❹ Cassette
No cassette is inserted. Or the tab of the inserted cassette is broken out. Insert a cassette with an intact tab.

❺ Built-in Lithium Battery
The built-in Lithium Battery is exhausted. Charge it.

❻ End of the Tape
When the tape has reached its end, this indication appears. Insert a new cassette.

❼ Anti-Ground-Recording (NV-RX19/20 only)

❽ Error Code
(Error codes are information for service personnel.)
- If the [F] indication with a 2-digit number appears in the Finder, a malfunction has occurred.
- If the indicated error code is between [F01] and [F05], the Movie Camera will turn off automatically one minute after the [CAMERA] Lamp has started to flash.
- If the indication is [F51] or [F52], the Movie Camera will not turn off automatically.

F01: Locked Take Up-Reel
F02: Locked Supply-Reel
F03: Locked Unloading Mechanism
F04: Locked Loading Mechanism
F05: Locked Cylinder
F51: Locked Focus Motor
F52: Locked Zoom Motor

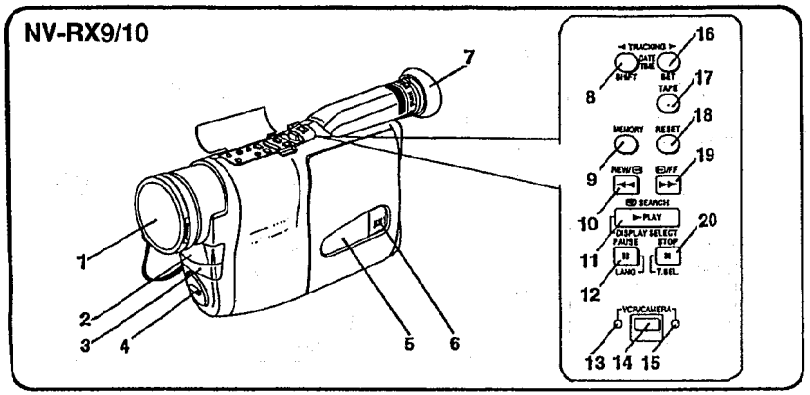
1. VW-VBS10E VW-VBH10E	2. VW-VBS20E VW-VBH20E	3. VW-KBC2E	4. VW-ACC2E	5. VW-RF7E /EG	6. VZ-LDCS13E
7. VW-SK9E	8. VW-LF49E	9. VZ-CT65E	10. VZ-CT75E	11. VW-TCA7E	12. VW-VT1E

Optional Accessories

1. VW-VBS10E (Ni-Cd Battery)
   VW-VBH10E (Ni-MH Battery)
2. VW-VBS20E (Ni-Cd Battery)
   VW-VBH20E (Ni-MH Battery)
3. Car Battery Charger
4. Car Battery Cord
5. RF Adaptor
6. Video DC Light (requires the Shoe Adaptor for attaching to the Movie Camera)
7. Shoe Adaptor (for attaching the Video DC Light)
8. Filter Kit
9. Standard Tripod
10. Deluxe Tripod
11. Cassette Adaptor
12. Video Titler

- Some accessories are not available in some countries.

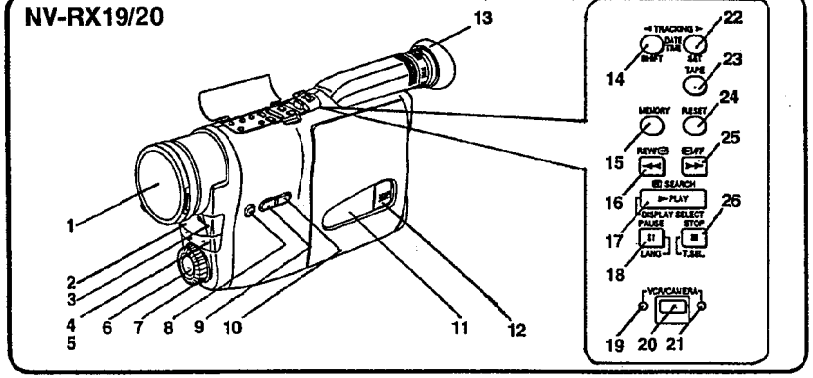
NV-RX9/10



Controls and Components

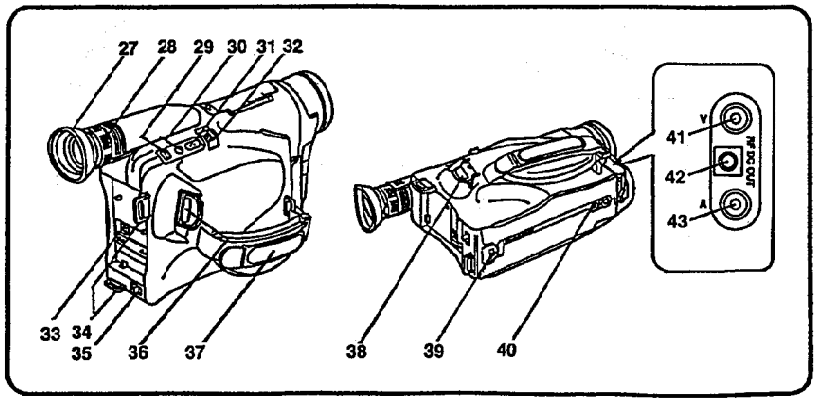
1 Lens Cap
2 Microphone
3 White Balance Sensor
4 [PROGRAMME AE] Button
([AE] means Automatic Exposure.)
5 Cassette Compartment
6 Cassette Compartment [LOCK] Button
7 Eyecup
8 [DATE/TIME/SHIFT • ◄ TRACKING] Button
9 [MEMORY] Button
10 [REW/⏮] Button
([REW] means Rewind.)
11 [PLAY/DISPLAY SELECT] Button
12 [PAUSE/LANG] Button
([LANG] means Language.)
13 [VCR] Lamp
14 [VCR/CAMERA] Button
([VCR] means Video Cassette Recorder.)
15 [CAMERA] Lamp
16 [DATE/TIME/SET • TRACKING ►] Button
17 [TAPE] Button
18 [RESET] Button
19 [⏭/FF] Button
([FF] means Fast Forward.)
20 [STOP/T.SEL.] Button
([T] means Title.)

NV-RX19/20

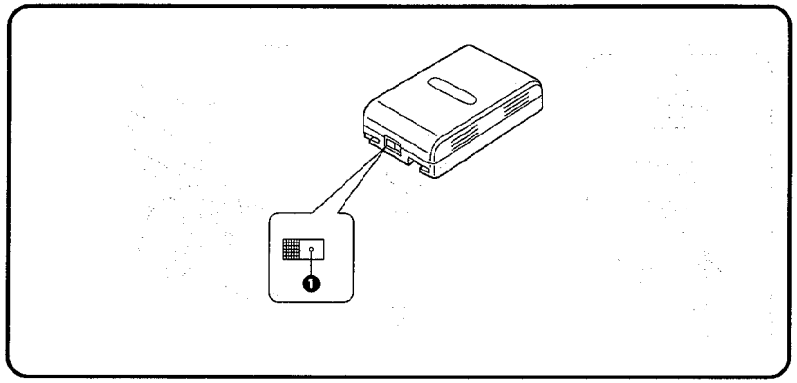


Controls and Components

1 Lens Cap
2 Microphone
3 Tally Lamp
4 White Balance Sensor
5 Remote Control Sensor
6 [FOCUS] Button
7 Focus Ring
8 [FADE] Button
9 [PROGRAMME AE] Button
([AE] means Automatic Exposure.)
10 [W.B] White Balance Button
([W.B] means White Balance.)
11 Cassette Compartment
12 Cassette Compartment [LOCK] Button
13 Eyecup
14 [DATE/TIME/SHIFT • ◄ TRACKING] Button
15 [MEMORY] Button
16 [REW(⏮)] Button
([REW] means Rewind.)
17 [PLAY/DISPLAY SELECT] Button
18 [PAUSE/LANG] Button
([LANG] means Language.)
19 [VCR] Lamp
20 [VCR/CAMERA] Button
([VCR] means Video Cassette Recorder.)
21 [CAMERA] Lamp
22 [DATE/TIME/SET • TRACKING ►] Button
23 [TAPE] Button
24 [RESET] Button
25 [⏭/FF] Button
([FF] means Fast Forward.)
26 [STOP/T.SEL.] Button
([T] means Title.)



27 Finder
28 Eyepiece Corrector Ring
29 Cassette Eject [EJECT ▲] Lever
30 [DATE/TITLE] Button
31 [BACKLIGHT] Button
32 [W • T] Zoom Lever
([W] means Wide-angle and [T] means Telephoto.)
33 [DC IN] Socket
34 Shoulder Strap Holders
35 [BATTERY EJECT ►] Lever
36 Start/Stop Button
37 Grip Belt
38 [POWER] Switch
39 [POWER SAVE] Switch
40 Tripod Receptacle
41 [VIDEO OUT] Socket
42 [RF DC OUT] Socket
([RF] means Radio Frequency.)
43 [AUDIO OUT] Socket



■ **Charging Time and Maximum Time for Continuous Recording in the Manual Recording Mode**

NV-RX9/10

Battery No.	Charging Time	Max. Continuous Recording Time
Supplied	60 min.	50 min.
VW-VBS10E	65 min.	55 min.
VW-VBS20E	130 min.	110 min.
VW-VBH10E	80 min.	65 min.
VW-VBH20E	160 min.	130 min.

NV-RX19/20

Battery No.	Charging Time	Max. Continuous Recording Time
Supplied	60 min.	35 min.
VW-VBS10E	65 min.	40 min.
VW-VBS20E	130 min.	80 min.
VW-VBH10E	80 min.	50 min.
VW-VBH20E	160 min.	100 min.

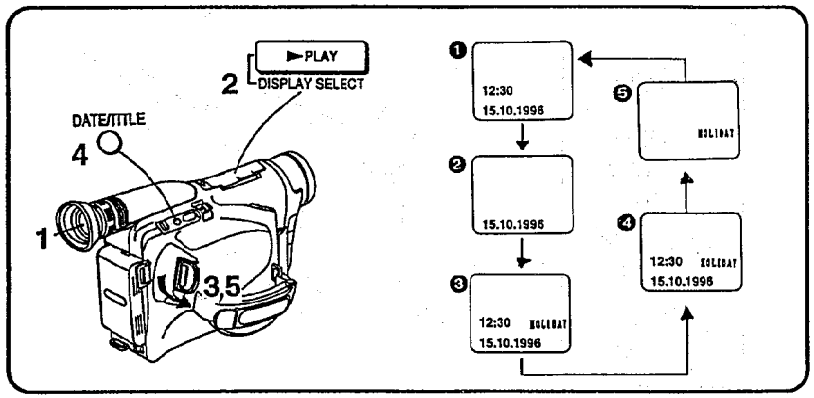
(The times shown in the above chart are approximations.)

- Maximum Continuous Recording Time means the duration of continuous recording performed at an ambient temperature of 20°C and 60% relative humidity.
  In actual recording, however, the use of the zoom and other functions increases the power consumption, and higher or lower temperatures reduce the Battery's ability to generate electricity. Therefore, the actual recording time per Battery may be approximately 30% - 50% shorter than listed above.

■ **Using the Charge Confirmation Marker**

You can use this marker to easily distinguish between charged and discharged Batteries.
For example, slide the knob so that the red dot ❶ is visible after charging is completed.

Contains a Nickel-Cadmium Battery. Must be recycled or disposed of properly.



Recording with the Time and/or Date Superimposed in the Picture

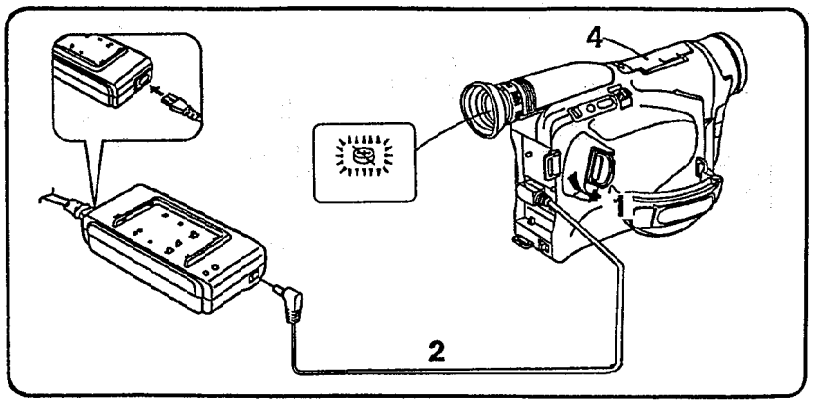
1 Make sure that the Date/Time Indication is displayed in the Finder.
- If it is not displayed, press the [DATE/TITLE] Button to make it appear.

2 Press the [PLAY/DISPLAY SELECT] Button repeatedly until the desired indication appears in the Finder.
- The indications change in the order ❶ to ❺ shown above.
- After turning the Movie Camera off and then on again, the previously selected Date/Time Indication is no longer displayed in the Finder. To make it appear again, press the [DATE/TITLE] Button once.

3 Press the Start/Stop Button to start recording.
- The selected indication is recorded in the picture.

■ **Deleting the Date/Time Indication**

4 During recording or when the Movie Camera is in the Recording Pause Mode, press the [DATE/TITLE] Button to make the Date/Time Indication disappear in the Finder.



Charging the Built-in Lithium Battery

The internal clock works even when the Movie Camera is turned off, and it consumes power from the built-in lithium battery. When the Movie Camera is in operation, it automatically charges this battery. However, if the Movie Camera is not used for a very long time, the lithium battery can become discharged. The discharged battery can be charged in the following way.

■ **How to Determine Whether the Built-in Lithium Battery is Discharged**

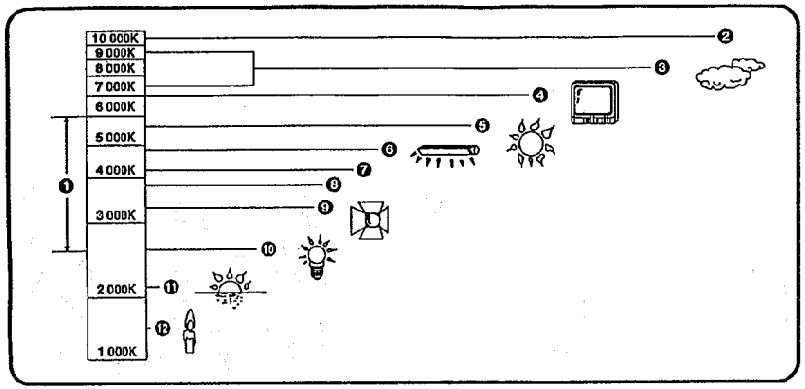
1 Turn out the [POWER] Switch to turn the Movie Camera on.
- If the [🔋] indication in the Finder flashes the built-in lithium battery is discharged.

■ **Charging the Built-in Lithium Battery and Other Required Operations**

2 Connect the AC Adaptor to the Movie Camera.

3 Leave the Movie Camera in this condition for approximately 4 hours. Power is supplied for charging even with the [POWER] Switch turned in.
- The Charge Indications Lamps on the AC Adaptor do not flash or light. After charging for 4 hours, the built-in lithium battery can power the clock for approximately 3 months.

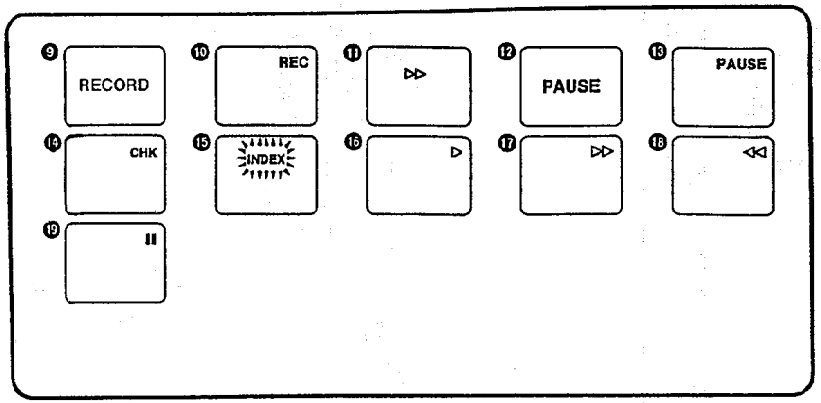
4 Set the clock to the current date and time.



Colour Temperature and White Balance Adjustment

Every light source has its own colour temperature measured in Kelvin (K). The higher the Kelvin value, the more bluish the light; the lower the value, the more reddish the light. The Kelvin value is related to the tint of the light, but not directly to its brightness.
The range ❶ indicated in the illustration above shows the light sources for which this Movie Camera can provide precise white balance adjustment and, therefore, natural colours in the recorded pictures, when using the Full Auto Mode.

❶ Control range of this Movie Camera's Auto White Balance Adjustment Mode
❷ Blue sky
❸ Cloudy sky (Rain)
❹ TV screen
❺ Sunlight
❻ White fluorescent lamp
❼ 2 hours after sunrise or before sunset
❽ 1 hour after sunrise or before sunset
❾ Halogen light bulb
❿ Incandescent light bulb
⓫ Sunrise or sunset
⓬ Candlelight

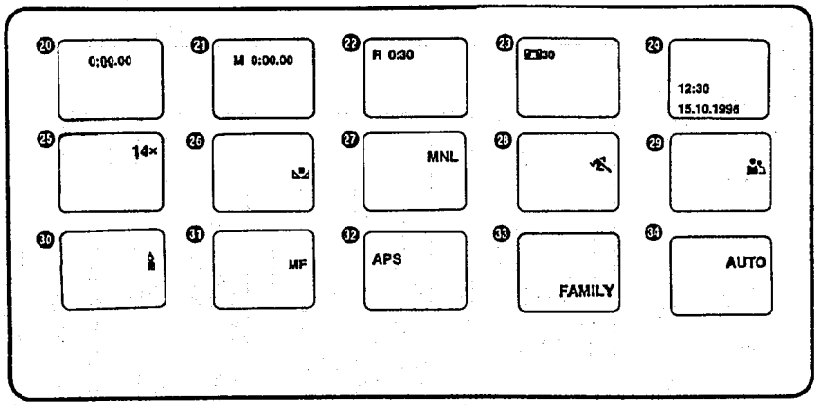


■ Recording and Playback Indications

❾ Recording Mode (large indication)
❿ Recording Mode (small indication)
⓫ Tape Run Mode
⓬ Recording Pause Mode (large indication)
⓭ Recording Pause Mode (small indication)
⓮ Recording Check Mode
⓯ Index Signal Recording Mode
An index signal is automatically recorded (and the [INDEX] indication flashes briefly in the Finder while it is being recorded) when you:
- Turn the Movie Camera on and start recording.
- Start recording after inserting a cassette.
- Press the [VCR/CAMERA] Button to change from the [VCR] to the [CAMERA] Mode or vice versa.

The recording of index signals makes it possible to use the VHS Index Search or Intro Scan Function during playback on a VCR equipped with these functions.
(Refer to the operating instructions for your VCR.)

⓰ Playback Mode
⓱ Fast Forward/Cue Mode
⓲ Rewind/Review Mode
⓳ Still Playback Mode



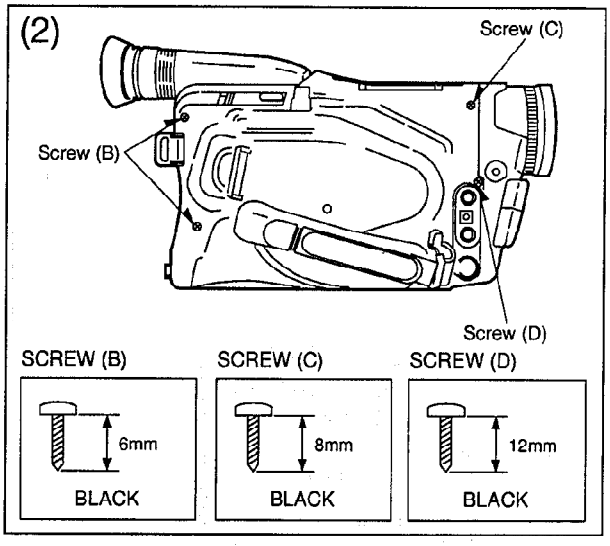
⓴ Elapsed Tape Time
When the tape is rewound further than the Elapsed Tape Time Position [0:00.00], the minus sign [-] appears in front of the Elapsed Tape Time Indication.
㉑ Elapsed Tape Time with activated Memory Stop Function
㉒ Remaining Tape Time
㉓ Tape Length
㉔ Date and Time
㉕ Zoom Magnification
㉖ Manual White Balance Mode (NV-RX19/20 only)
㉗ Manual Recording Mode (NV-RX19/20 only)
㉘ Sports Mode
㉙ Portrait Mode
㉚ Low Light Mode
㉛ Manual Focus Mode (NV-RX19/20 only)
㉜ Power Save Mode (NV-RX19/20 only)
㉝ Title
㉞ Automatic Recording Mode

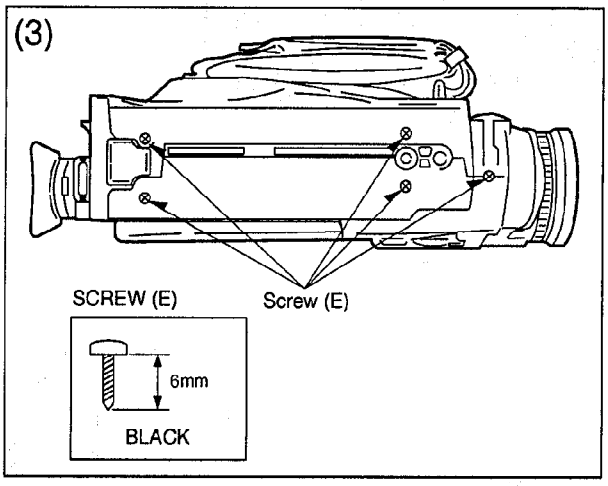
SECTION 2
ADJUSTMENT PROCEDURES

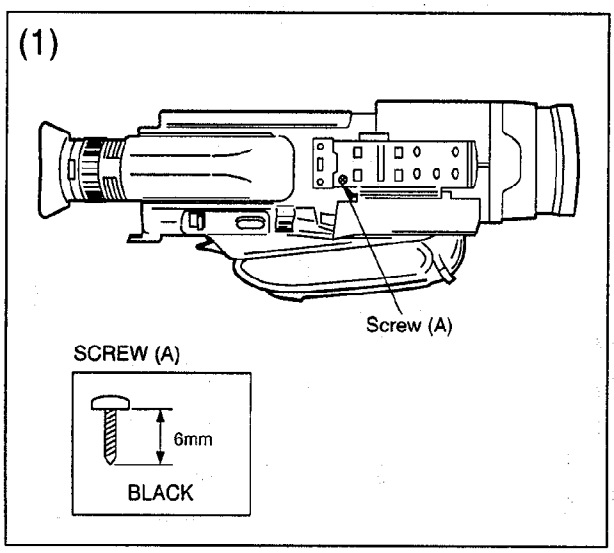
2-1. DISASSEMBLY PROCEDURES

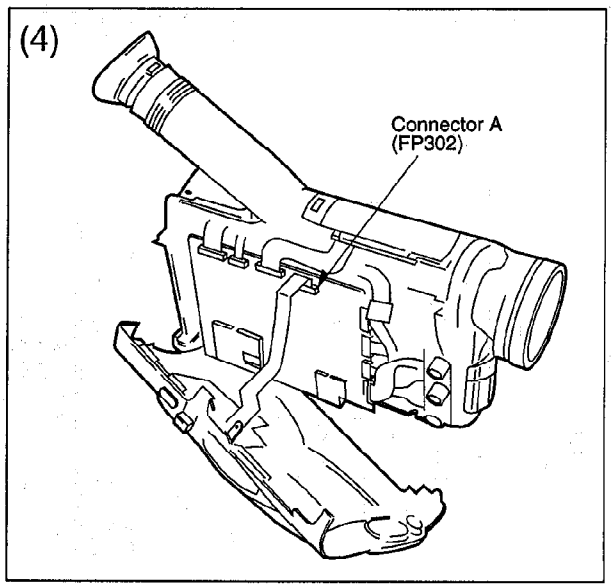
Flow-Chart for Disassembly procedure.

	ITEM/PART	Fig.	
(A)	Side Case (L)	(1) (2) (3) (4)	1-SCREW (A) 4-SCREW (B/C/D) 5-SCREW (E) Slightly open the side case (L) Disconnect (Connector A)
(B)	Cassette Cover	(5)	2-SCREW (F)
(C)	Side Case (R)	(6) (7) (8) (9)	1-SCREW (G) Disconnect (Connector B) 2-SCREW (H/I) Unlock---3 Locking Tabes Remove the side case (R)
(D)	EVF Unit	(10)	Unlock---2 Locking Tabes Disconnect (Connector C)
(E)	Front Case	(11) (12)	1-SCREW (J) Unlock---3 Locking Tabes Disconnect (Connector D)
(F)	Main C.B.A.	(13) (14)	2-SCREW (K/L) Disconnect (Connector E/F/G/H I/J/K) Disconnect (Connector L)
(G)	Lens Unit	(15)	2-SCREW (M)
(H-a)	MIC/IR C.B.A, AE SW, AV JACK for NV-RX9/10	(16-a)	4-SCREW (L) Unlock---1 Locking Tabe
(H-b)	ECM/IR C.B.A, FRONT C.B.A, AV JACK for NV-RX19/20	(16-b) (17-b) (18-b) (19-b) (20-b) (21-b)	Remove the Focus Dial 2-SCREW (N) Disconnect (Connector M) Unlock---1 Locking Tabe Disconnect (Connector N) 2-SCREW (O) Disconnect (Connector O)
(I)	E.V.F C.B.A	(17/22) (18/23)	2-SCREW (P) Disconnect (Connector P/Q/R)









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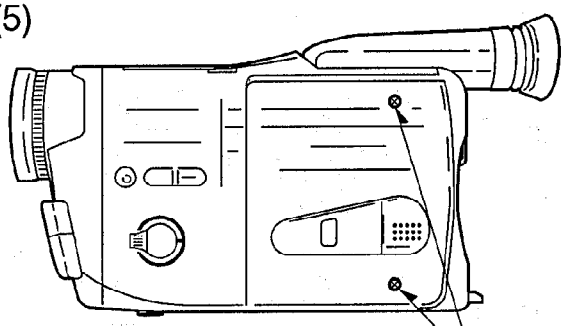
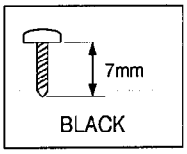
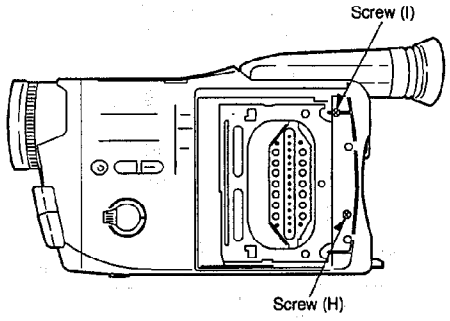


SCREW (F)

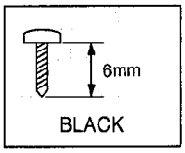


Screw (F)

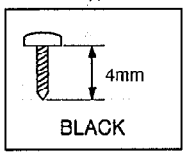
(8)



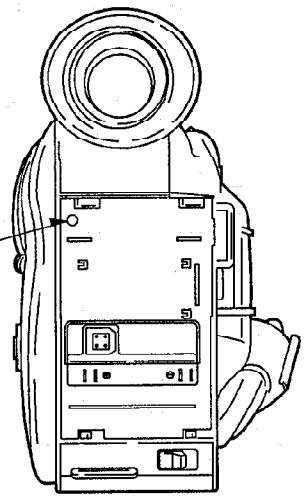
SCREW (H)



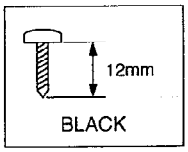
SCREW (I)



(6)



SCREW (G)



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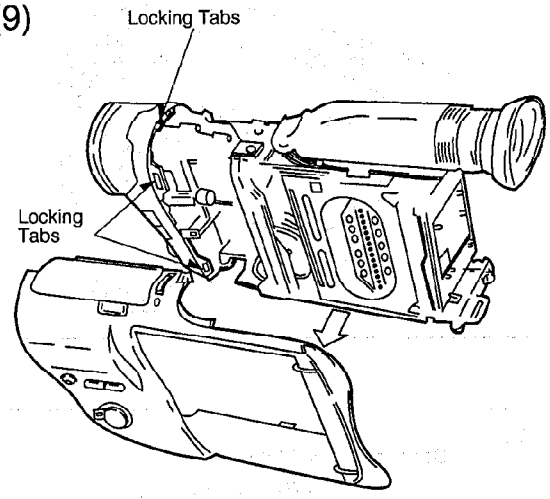

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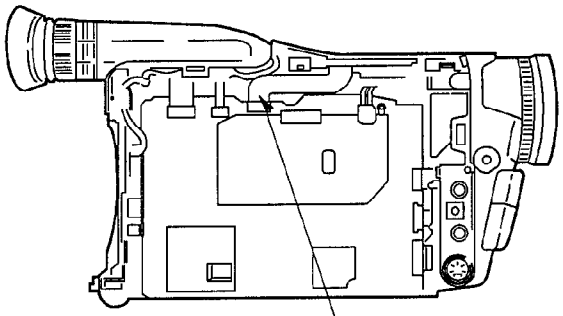

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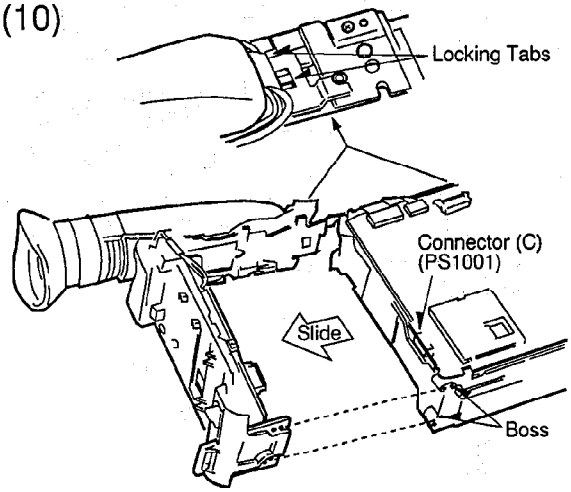

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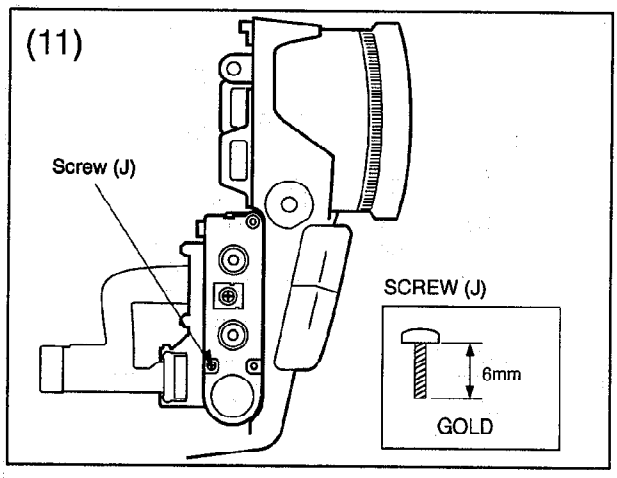
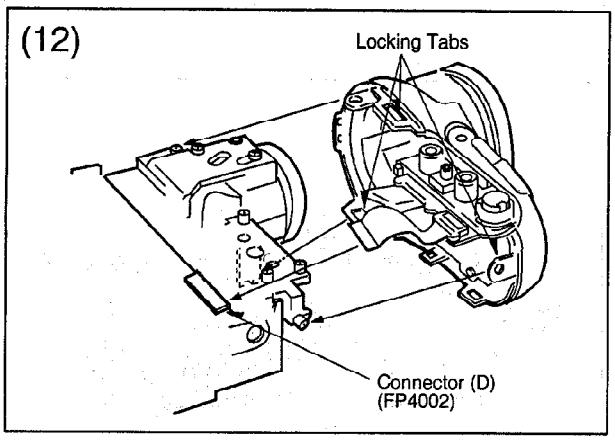
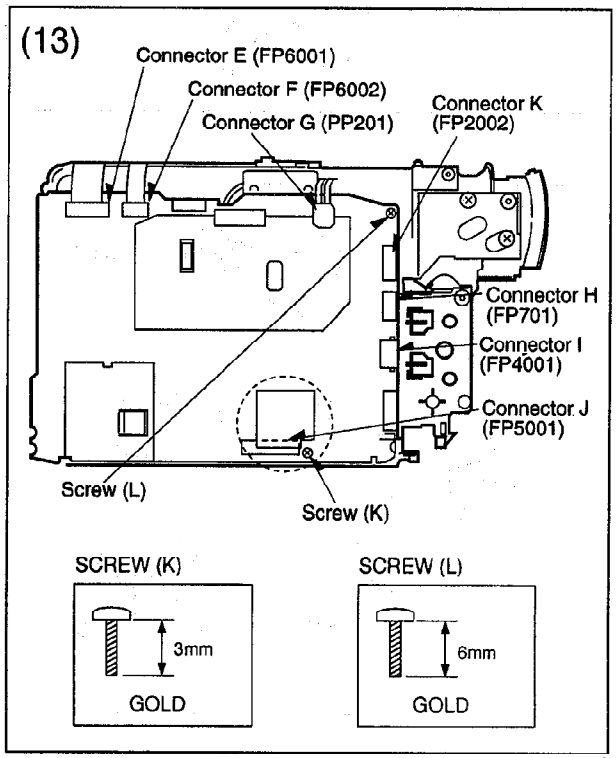

Screw (J)
SCREW (J)
6mm
GOLD

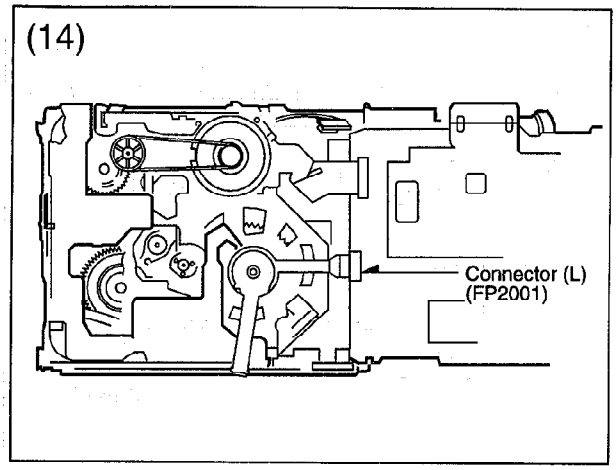
(12)


Locking Tabs
Connector (D)
(FP4002)

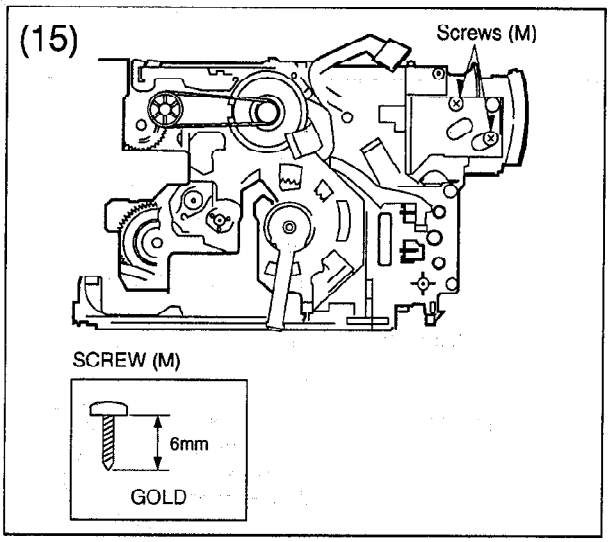
(13)


Connector E (FP6001)
Connector F (FP6002)
Connector G (PP201)
Connector K
(FP2002)
Connector H
(FP701)
Connector I
(FP4001)
Connector J
(FP5001)
Screw (L)
Screw (K)
SCREW (K)
3mm
GOLD
SCREW (L)
6mm
GOLD

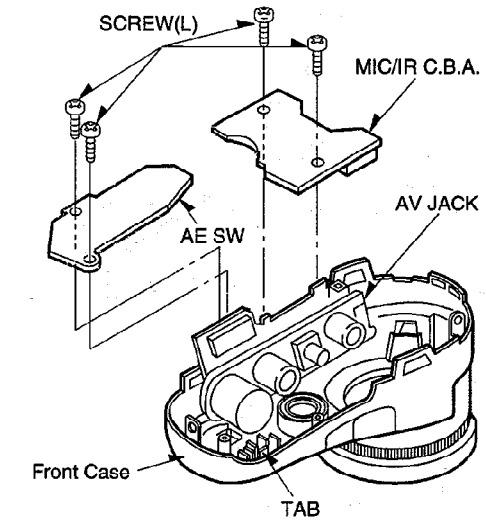
(14)


Connector (L)
(FP2001)

(15)


Screws (M)
SCREW (M)
6mm
GOLD

(16-a) NV-RX9/10



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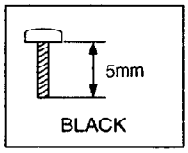
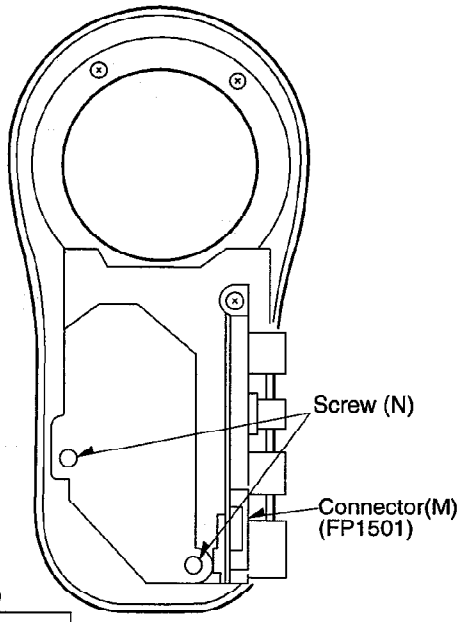


(17-b) NV-RX19/20



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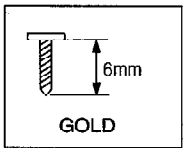

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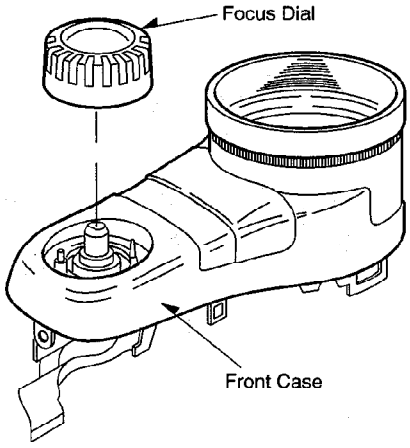

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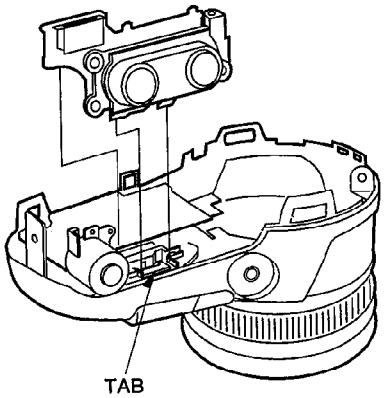

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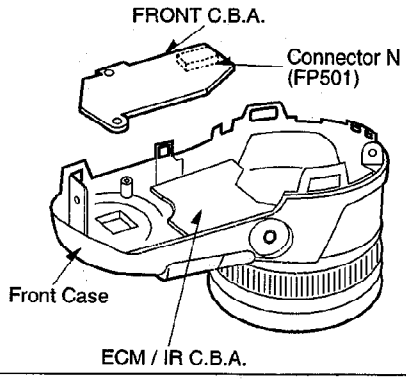

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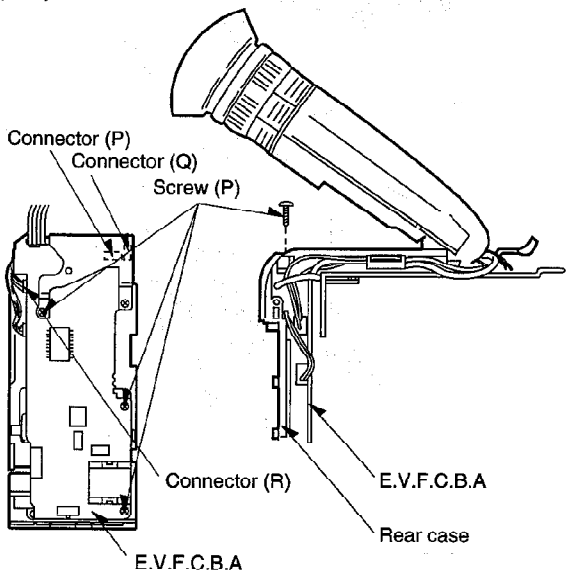
(22) NV-RX19/20



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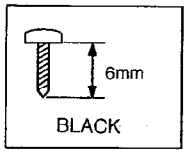

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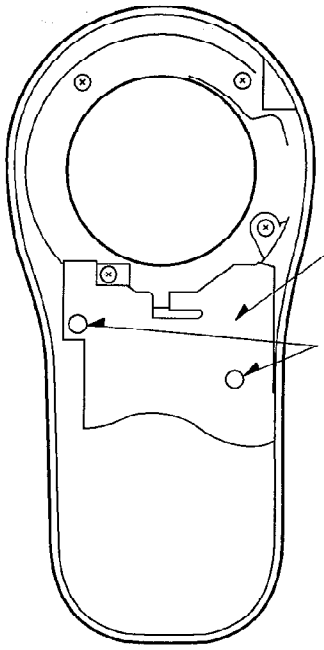

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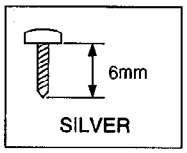

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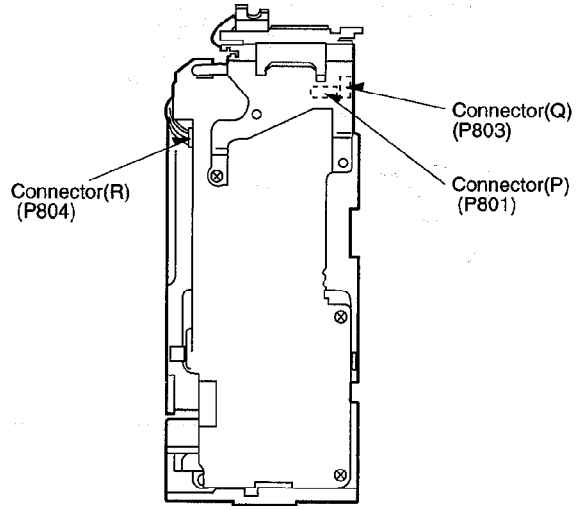
(23) NV-RX19/20



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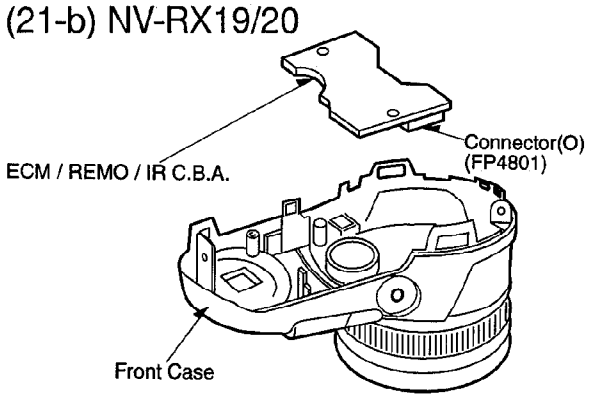


2-2. DISASSEMBLY PROCEDURES OF LENS UNIT

The following flowchart describes oreder or steps for removing the lens units and certain printed circuit boards in order to make access to the item needing service.
To reassemble the unit follow the steps in reverse oeder.

1. CCD Unit	Ref.-No.202
2. CCD Cushion & Crystal Filter	Ref.-No.203/201
3. Focus Motor Unit	Ref.-No.208
4. Zoom Motor Unit	Ref.-No.207
5. Crystal Mount Plate	Ref.-No.206
6. 4th Moving Frame Unit	Ref.-No.214
7. Focus Guide Pole	Ref.-No.210
8. 3rd Lens Frame Unit	Ref.-No.216
9. Iris Unit	Ref.-No.211
10. 2nd Moving Frame Unit	Ref.-No.212
11. Zoom Guide Pole	Ref.-No.209

Note : Each Ref-numbers are equivalant to number on Fig. L2 and Parts-List.

Fig.L1

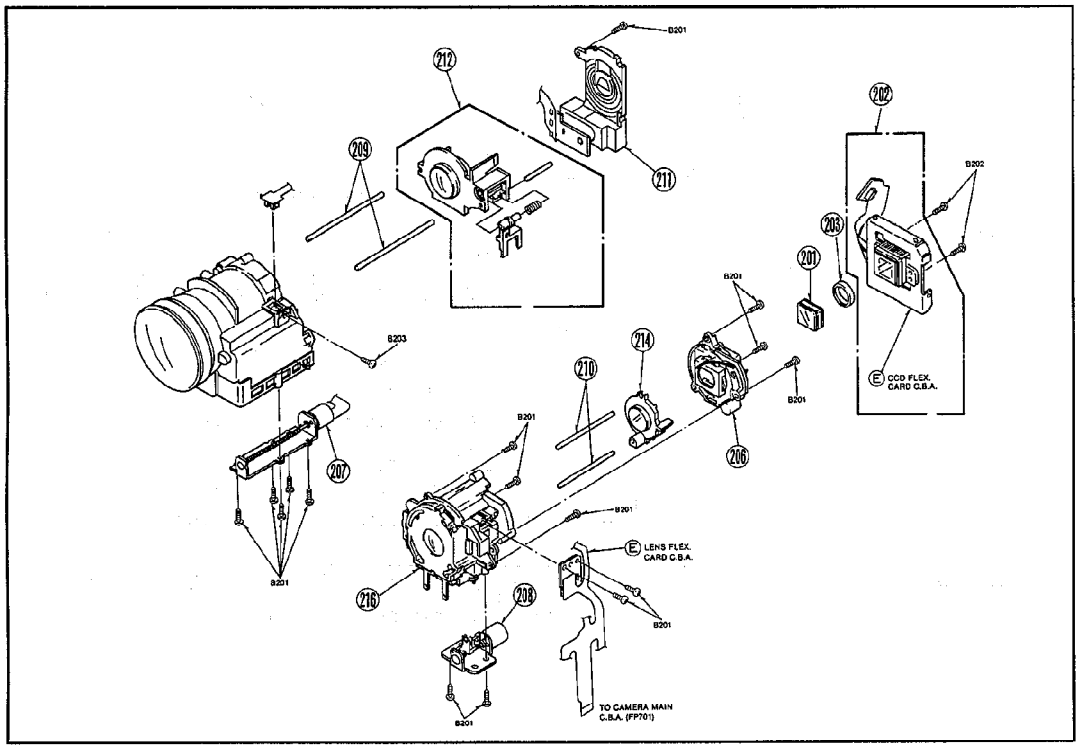


Fig.L2

2-6. ELECTRICAL ADJUSTMENT PROCEDURES FOR E.V.F SECTION

The following Equipments are required for Adjutment of Electric Viewfinder.

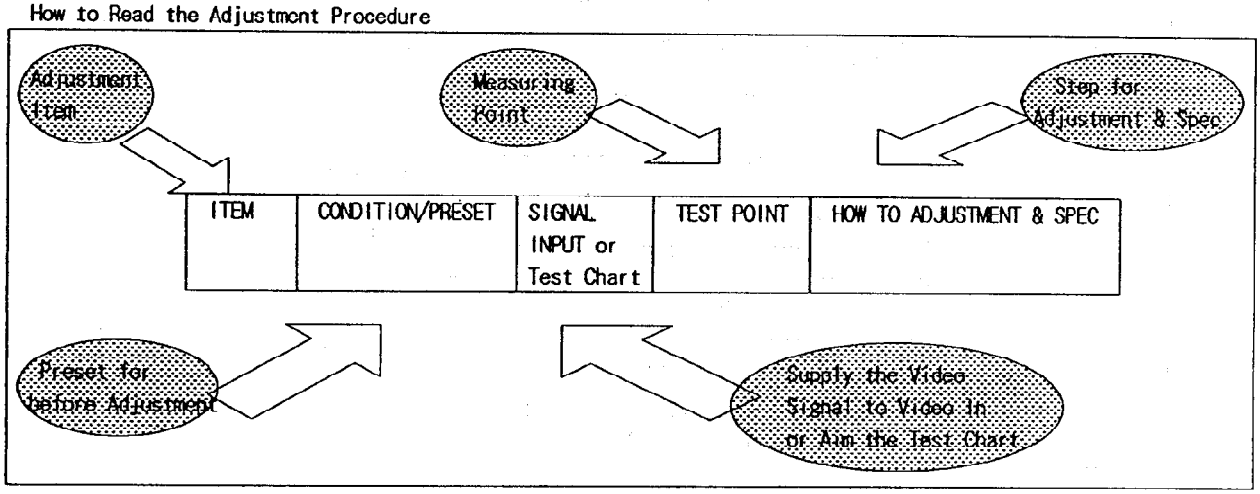
1:Chart ⇨ Ball-Chart/Registration-Chart/Gray Scale-Chart

2:Tools ⇨ Plastic Tip Driverare /VFK0668(24Pin)

The following adjustment are Electric Viewfinder.

PREPARATION: (A). Remove the Casing panels. (Side Case, Rear Case)
(B). Connect the Viewfinder to unit with Extension Cable VFK0668(24Pin). ⇨ Please Refer to Fig. E1
(C). The camera unit must be completely aligned befor viewfinder adjustment.

How to Read the Adjustment Procedure



ADJUSTMENT FOR E.V.F SECTION

ITEM	CONDITION/PRESET	SIGNAL INPUT or Test Chart	TEST POINT	HOW TO ADJUSTMENT & SPEC
1. CENTREING	Aim the camera at Registration chart.	Registration Chart	E.V.F on Screen	Adjust the deflection-yoke centreing magnets turning so that picture on E.V.F is centred. Please Refer to Fig. E2
2. FOCUS	Aim the camera at Ball chart.	Ball Chart	E.V.F on Screen	Adjust the VR803 for best resolution in Viewfinder. Note: After performed this adjustment, confirm "A" part of VR803. "A" part is outside of 100 degree. Please Refer to Fig. E3
3. VERTICAL SIZE	Aim the camera at Gray-Scale chart	Gray Scale Chart	E.V.F & TV on Screen	Adjust the VR801 for best vertical size. (Picture does not roll as shown in Fig. E4.)
4. BRIGHTNESS	Aim the camera at Gray-Scale chart	Gray Scale Chart	E.V.F & TV on Screen	Adjust the VR804 so that brightness in viewfinder is same as monitor TV.

Preparation

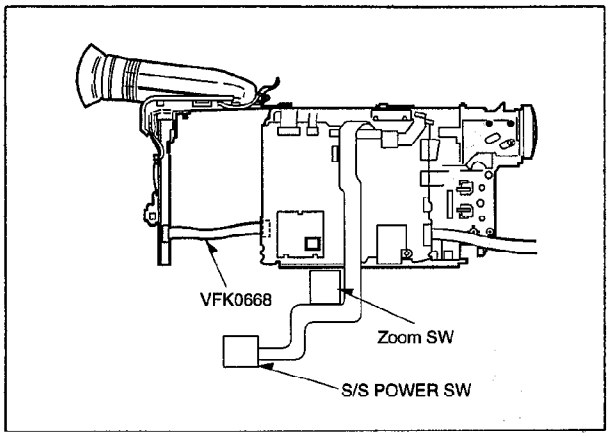


Fig. E1

CENTREING ADJUSTMENT

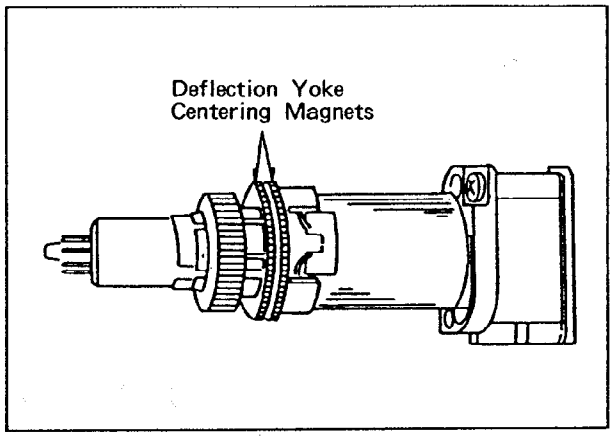


Fig. E2

FOCUS ADJUSTMENT

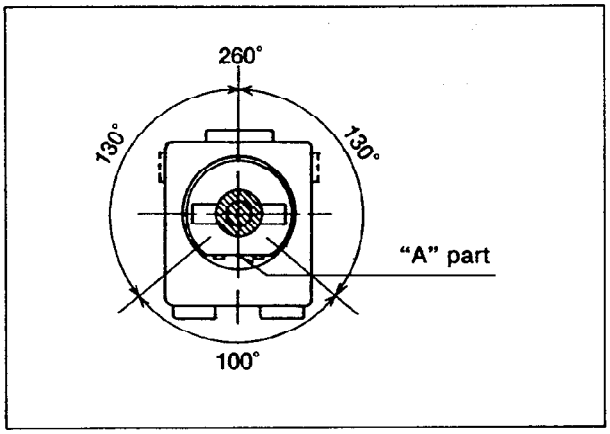


Fig. E3

VERTICAL ADJUSTMENT

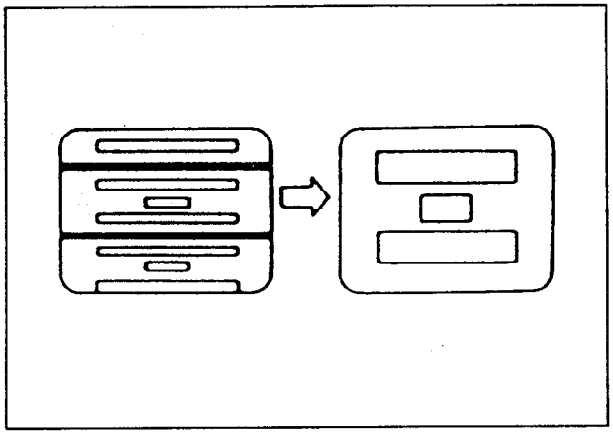
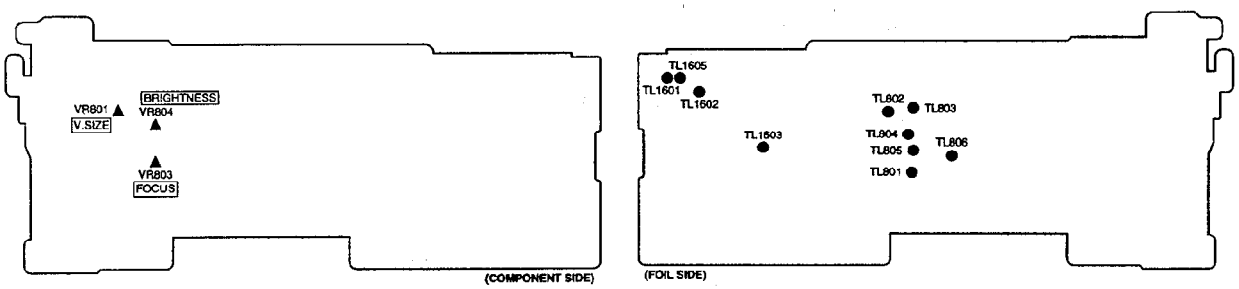


Fig. E4

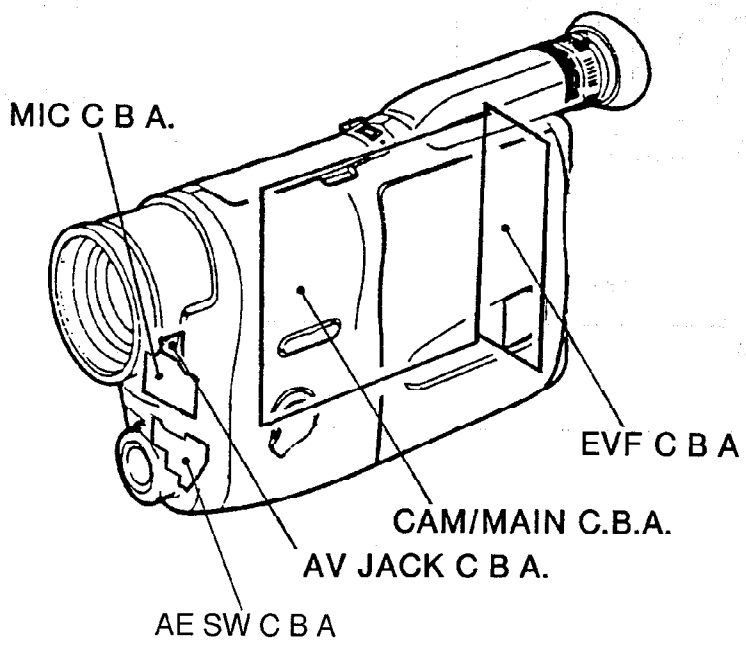
LOCATION OF TEST POINTS & CONTROLS

EVF C.B.A.

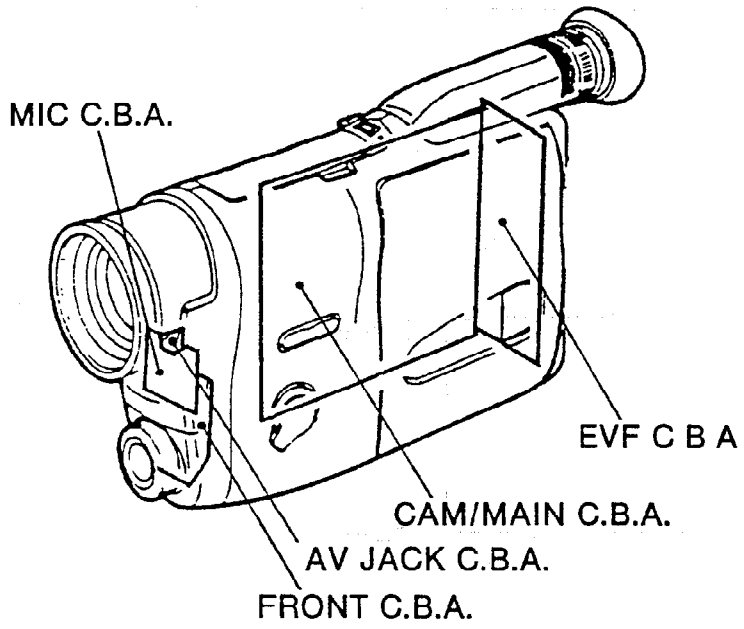


2-7. CIRCUIT BOARD LAYOUT

NV-RX9, 10



NV-RX19, 20



SECTION 3
BLOCK DIAGRAMS & SCHEMATIC DIAGRAMS

3-1. ABBREVIATIONS

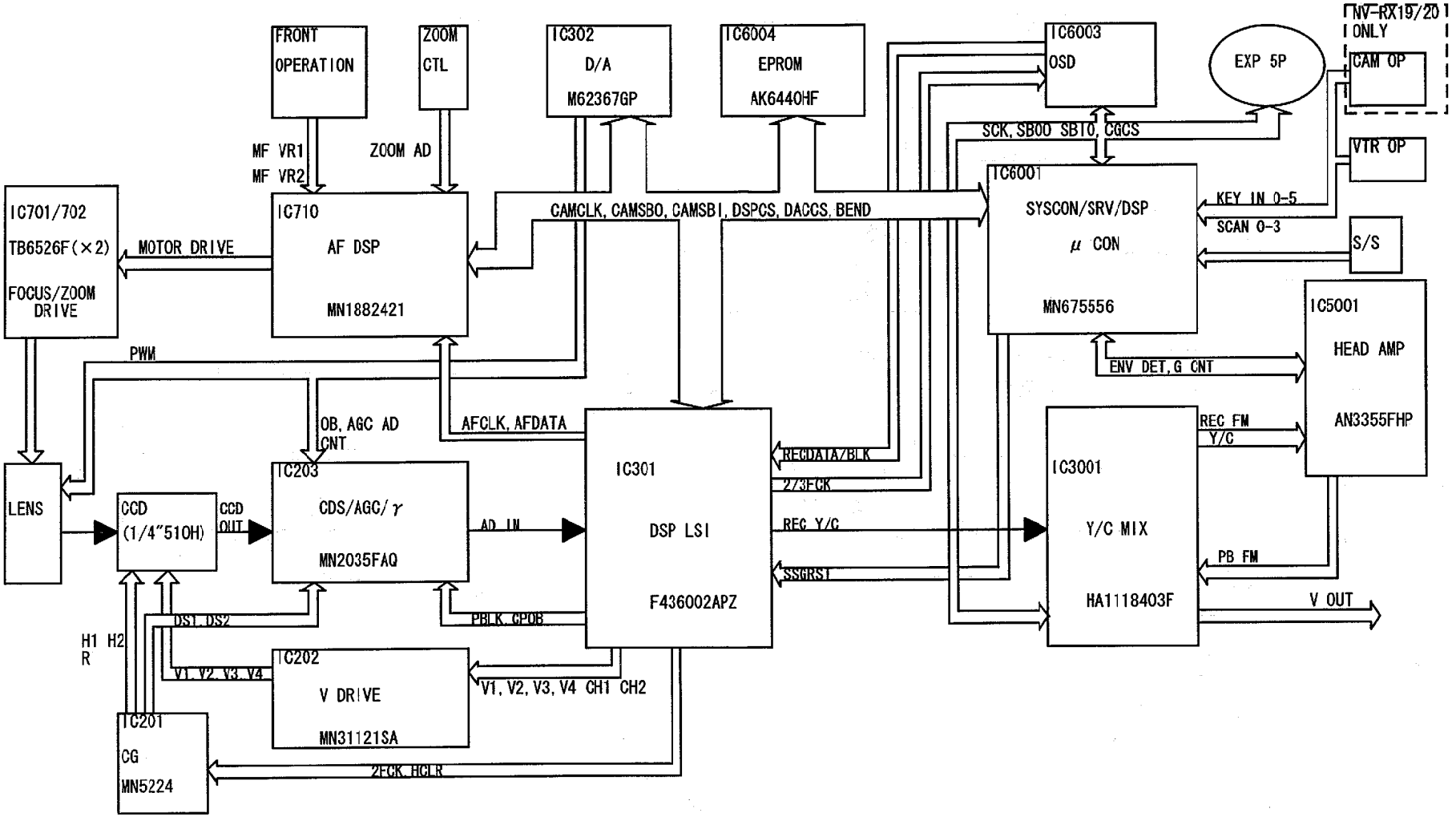
INITIAL/LOGO		ABBREVIATIONS
A	A.TR	Auto Tracking
	ABSF	Focus Encoder Input
	AD REC	Audio Delaied REC
	ADCLK	Analogue Digital Clock
	ADCNT	Analogue Digital Control
	ADCS	Analogue Digital Chip Select
	AE	Auto Expose
	AECNT	Auto Expose Control
	AEIRQ	Auto Expose Interrupt Request
	AFADE	Audio Fade
	AGCCNT	Automatic Gain Control Control
	AGS	Anti Ground Shooting
	ALCCNT	Auto Level Control Control
	ALCMAIN	Auto Level Control Drive
	AMUT	Audio Mute
	AORP	Audio Overlap Pulse
	APCNT	Aperture Control
	APS	Auto Power Save
	ARTV	Artifical Vertical Sync
	ATR	Auto Tracking
	AVDD	Analogue VDD
	AVSS	Analogue Ground
	AWTB	Auto White Balance B-Y
	AWTR	Auto White Balance R-Y
B	B-Y KB	B-Y Carrier Balance
	BACK	Back-up
	BCBM(B-Y)	B-Y Carrier Balance
	BCBM(R-Y)	R-Y Carrier Balance
	BFA	Burst Flug for Encoder
	BFND	Burst Flag Pulse
	BFO/BFI	Burst Flug Input/Output
	BL	Back Light
	BLC 0, 1	Back Light Y Control Out, In
	BLDI/O	Back Light Drive Input / Output
	BLK	Blanking Pulse
	BLKI/O	Blanking Pulse In/Out
	BM	Balance Modulator
	BUF	Buffer
C	C CNT	Colour Control
	C/N	Carrier/Noise
	CAMCLK	Camera Clock
	CAP R/F/S	Capstan Revers(H)/Stop(M)/Forward(L)
	CAPVM	Capstan Motor Current
	CASDWN	Cassette Down
	CBLK	Composite Blanking Pulse
	CCW	Counter-Clockwise
	CDS	Correlate Double Sampling Signal
	CFEM	Chrominance Memory Signal
	CGC	Chrominance Gain
	CH1	Channel 1 (Odd Field)
	CHR MIX	Character Mix
	CL / CLK	Clock
	CMO	Chroma Memory Output
	CMODE	Camera Mode
	CO0-7	Chrominance Output 0 to 7 (Digital)
	COM	Common
	CP	Clamp Pulse
	CPOB	Clamp Pulse for Optical Blanking
	CPS	Composite Signal
	CRST	Camera Reset
	CS	Chip Select
	CS 0-7	Chrominance Signal Out 0-7
	CSEL	Clock Phase Select
	CW	Clockwise
	CYLVM	Cylinder Motor Current or Power

INITIAL/LOGO		ABBREVIATIONS
D	D MODE	Digital Mode Switch Signal
	DAC	Digital Analog Convertor
	DAC	Digital Analogue Converter
	DBO-7	Data 0-7
	DCLR	Digital Clear
	DCP	Digital Clamp Pulse
	DICLK	Digital Clock
	DIS	Digital Image Stabilizer
	DISCS	Dis Chip Select
	DISP	Display
	DL	Delay Line
	DL	Delay Line
	DOCTL	Data Output Control
	DODAT	Serial Data (to D/A Converter)
	DRK	Dark
	DS	Double Sampling Pulse
	DS1, 2	Double Sampling Pulse
	DSP	Digital Signal Processor
	DSP	Digital Signal Processor
	DVDD	Digital VDD
	DVSS	DIgital Ground
	DZ	Digital Zoom
E	E Snap	Electric Snap Shot
	E2P	EEPROM
	ECM	Electric Condencer Mic
	EE CS	EEPROM Chip Select
	EEPROM	Electric Erasable Programable Read Only Memory
	ENV	Enverope
	EQ	Equalizer
	EXT DC	External DC (AC Adaptor)
	EZOOM	Electric Zoom
F	F	Far (Focus)
	FCK	Clock
	FENC	Focus Encoder
	FMO-7	Field Memory 0 - 7
	FMCS	Chip Serect for FM-Audio
	FMDREC	FM Audio Delayed REC
	FMOEM	Field Memory Enable
	FMT1-4	Focus Motor Terminal 1-4
	FNO	F Value
G	GCNT	Gain Control
	GSW	Ground for Switching Power
H	H1,2	H. CCD Drive Pulse
	HASW	HEAD AMP SW
	HBRST	High Bright Set
	HCLR	High Clear
	HCP	Shift Clock for Horizontal Drive
	HEX	Hexadecimal
	HLT	High Bright Signal
	HSS	Horizontal Sync Signal
	HSS	High Speed Shutter
I	INTER	Interval Recording
	INV	Inverter
	IOU	R-Y Analogue Signal Output
	IOV	B-Y Analogue Signal Output
	IRDET	Infrared Rays Detection
	IRIS/SH	Iris / Shutter Control
	IRQ	Interrupt Request
K	KANDO	Digital Gain Up
	KND	Digital Gain Up
	KNEE	Knee Corection (γ Control)

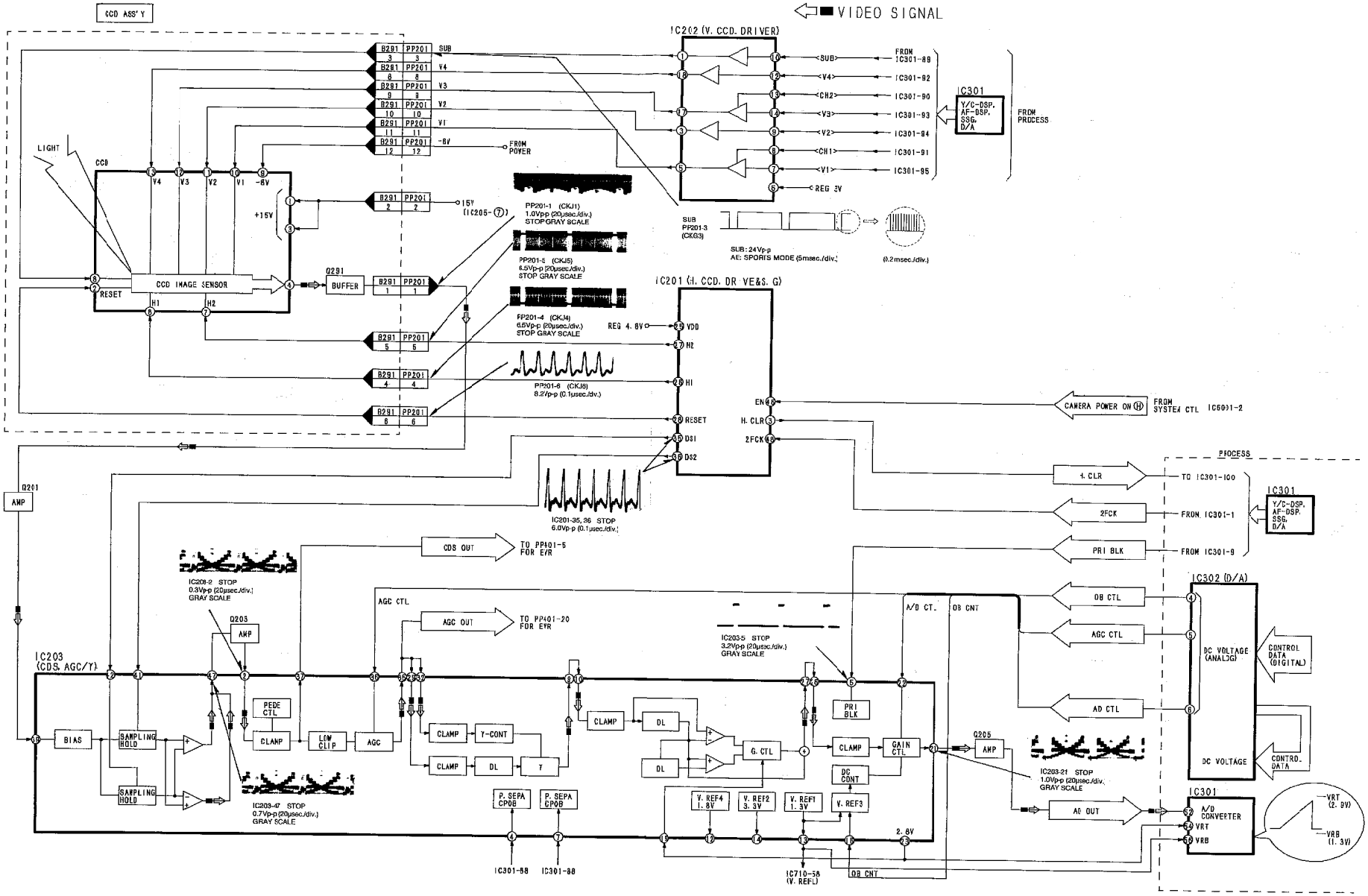
INITIAL/LOGO		ABBREVIATIONS
L	LCD	Liquid Crystal Display
	LD	Load Pulse
	LEDCNT	LED Control
	LI-BATT	Lithium Battery
	LSB	Least Significant Bit
	LVL	LPF Switch for Auto Focus
M	MD	Modulation
	MENB	Focus Motor Enable
	MFF	Manual Focus Far
	MFN	Manual Focus Near
	MIX N.R.D.	Non Rec Data Mix
	MRST	Focus Motor Reset
	MSB	Most Signal Bit
	MVSYNC	Monitor Vertical Sync Signal
N	N	Near (Focus)
	N/F	Near/Far Focus
	N/P	NTSC/PAL
	NC	No Connection
	NDE	Non Liner De-Emphasis
	NLE	Non Liner Emphasis
	NR	Noise Reduction
	NRD	Non Rec Data
	NRD BLK	No Rec Data Blanking
	NRD CLK	No Rec Data Clock
	NRDBLK	Non Rec Data Blanking
	NRE	Read Enable Input (Low Active)
	NWE	Write Enable (Low Active)
O	OBCNT	Optical Black Control
	OE	Output Enable
	OP	Operation AMP Output
	OSD	ON Screen Display
	OVL	Overlap Pulse
	OZ	Optical Zoom
P	PAJ	Picture Control
	PB1-3	PNP Base 1-3
	PBCTL	Play Back Control
	PBCTL	Pre-Branking Control
	PBLK	Pre-Blanking (Pulse)
	PCBM	Carrier Balance
	PED	Pedestal
	PEDECNT	Pedestal Control
	PREAMP	Pre-AMP
	PREBLK	Pre-Blanking
	PT	Protect for V Voltage
	PWM	Pulse Width Modulation
R	R/B	Read/Busy
	R-Y KB	R-Y Carrier Balance
	RAD	Read Address Data
	RAE	Read Address Enable
	RE	Read Enable
	RE	Rotary Erase Head
	REC CCNT	Rec Current Control
	RECCTRL	Recording Control Pulse
	RERASE	Rotary Erase Head
	RST	Reset
	RSTPWD	Reset Power Down Input
	RSTR	Reset Read
	RSTW	Reset Write
	RW	Read Write
	RWAE	Read Write Enable

INITIAL/LOGO		ABBREVIATIONS
S	S PHOT	Supply Photo Transistor
	SDET	S-VHS Detect
	STAB	S-VHS Tab Switch
	ST5V	Safety Tab 5V
	STAB	Safety Tab Switch
	SNS LED	Sensor LED
	SCK/SCLK	Serial Clock
	SBD	Serial Data
	SBI	Serial Data Input
	SBO	Serial Data Output
	SO	Serial Data Output
	SIOC	Serial In/Out Control
	SH/IRIS	SHUTTER/IRIS CONTROL
	S/S	Start/Stop
	SUB CNT	Sub Control
	SSG	Sync Signal Generator
T	T PHOT	Take-up Photo Transistor
	TBC	Time Base Conntrol
	TL	Torque Limit
	TRFIX	Tracking Fix
	TRIWAVE	Tracking Wave
	TRP	Tracking Position
U	U/V SEL	R-Y/B-Y Select Signal
	UV SEL	R-Y/B-Y Select Signal
V	V1-V4	V. CCD Drive Pulse
	VB	VH Filter Switching
	VCO	Voltage Control Oscillator
	VCP	Shift Clock Output for Vertical Drive
	VCTRL	Voltage Charge Control
	VD	Vertical Drive Pulse
	VDREC	Video Delayed Rec
	VIN	Video In
	VITC	Vertical Interval Time Code
	VL	Low Voltage
	VM	Motor Voltage
	VMD1-3	Electric Shutter Mode
	VMODE	NTSC/PAL Select Switch
	VMVH	VH Filter Switching
	VORP	Video Overlap
	VRB	Voltage Refference Bottom
	VREF1R3V	Refference Voltage 1.3V
	VREF3R3V	Refference Voltage 3.3V
	VREFH	Refference Voltage High Side
	VREFL	Refference Voltage Low Side
	VRI	Refference Voltage Input
	VRO	Refference Voltage Output
	VRT	Voltage Refference Top
	VSS	Vertical Sync Signal
W	WAD/WAE	Write Address Enable
	WB	White Balance
	WE	Write Enable
	WEM	Memory Write Enable
	WHD	Wide Horizontal Drive Pulse
Y	YNCST	Noize Canceller
	YNR	Noise Reduction
Z	Z. ENC	Zoom Encoder
	Z. MIC	Zoom Mic
	ZENC	Zoom Encoder Output
	ZMT (+)/(-)	Zoom Motor (+)/(-)
	ZMTER	Zoom Motor Tele Side
	ZMW	Zoom Motor Wide Side

3-2. OVERALL BLOCK DIAGRAM



3-3. SENSOR BLOCK DIAGRAM



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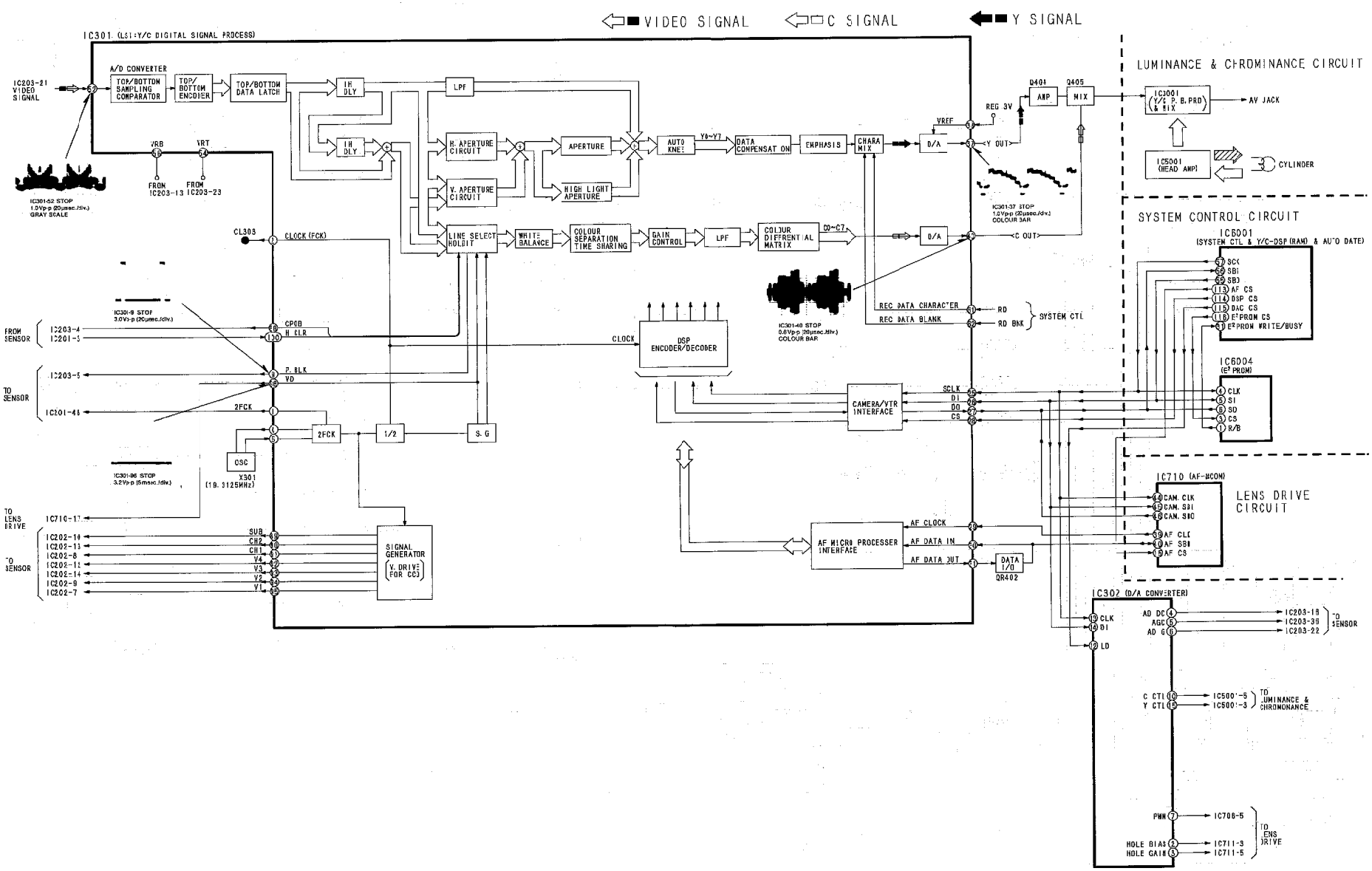
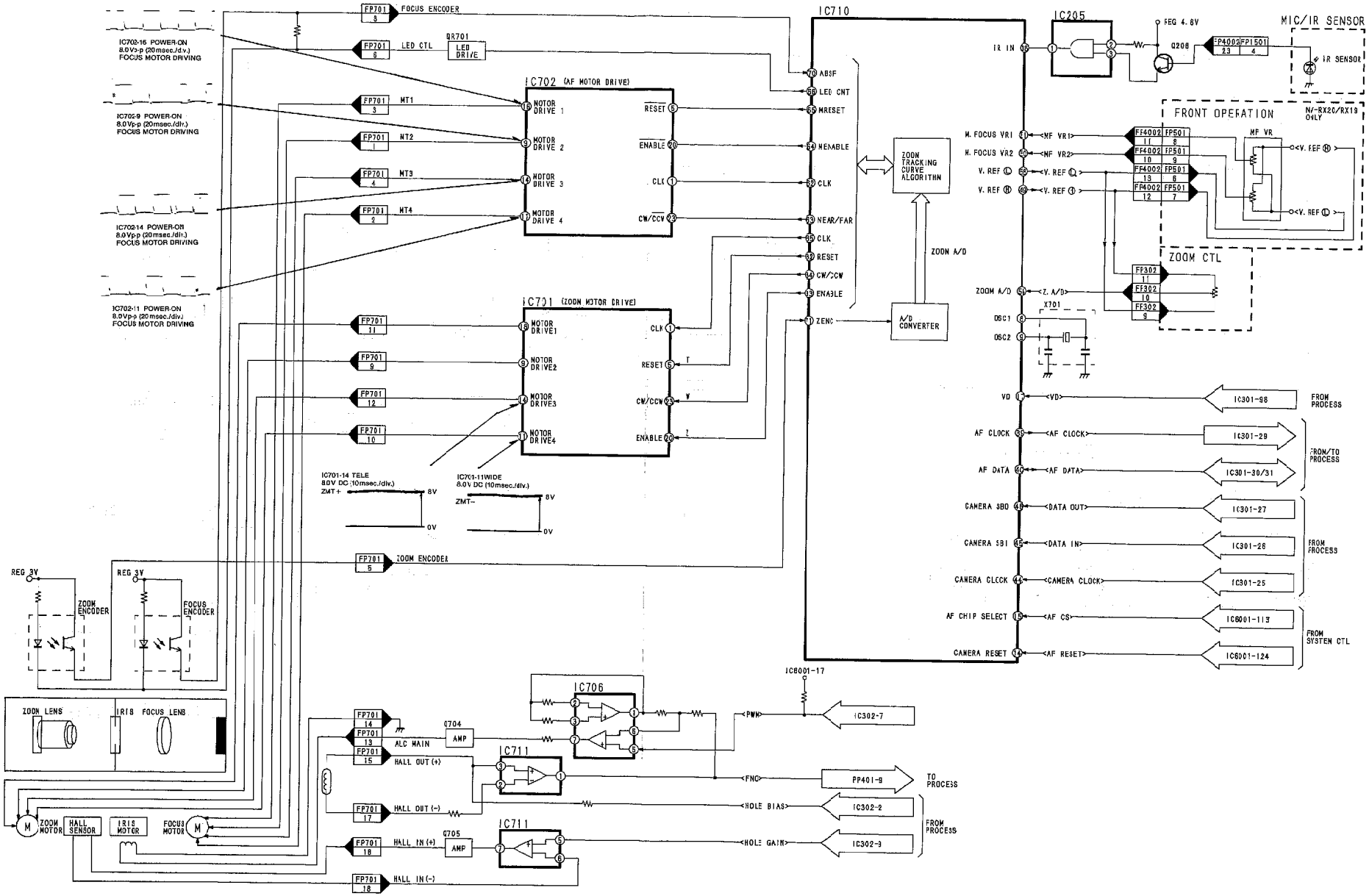
OVERALL Section

3-4. PROCESS BLOCK DIAGRAM



3-5. LENS DRIVE BLOCK DIAGRAM



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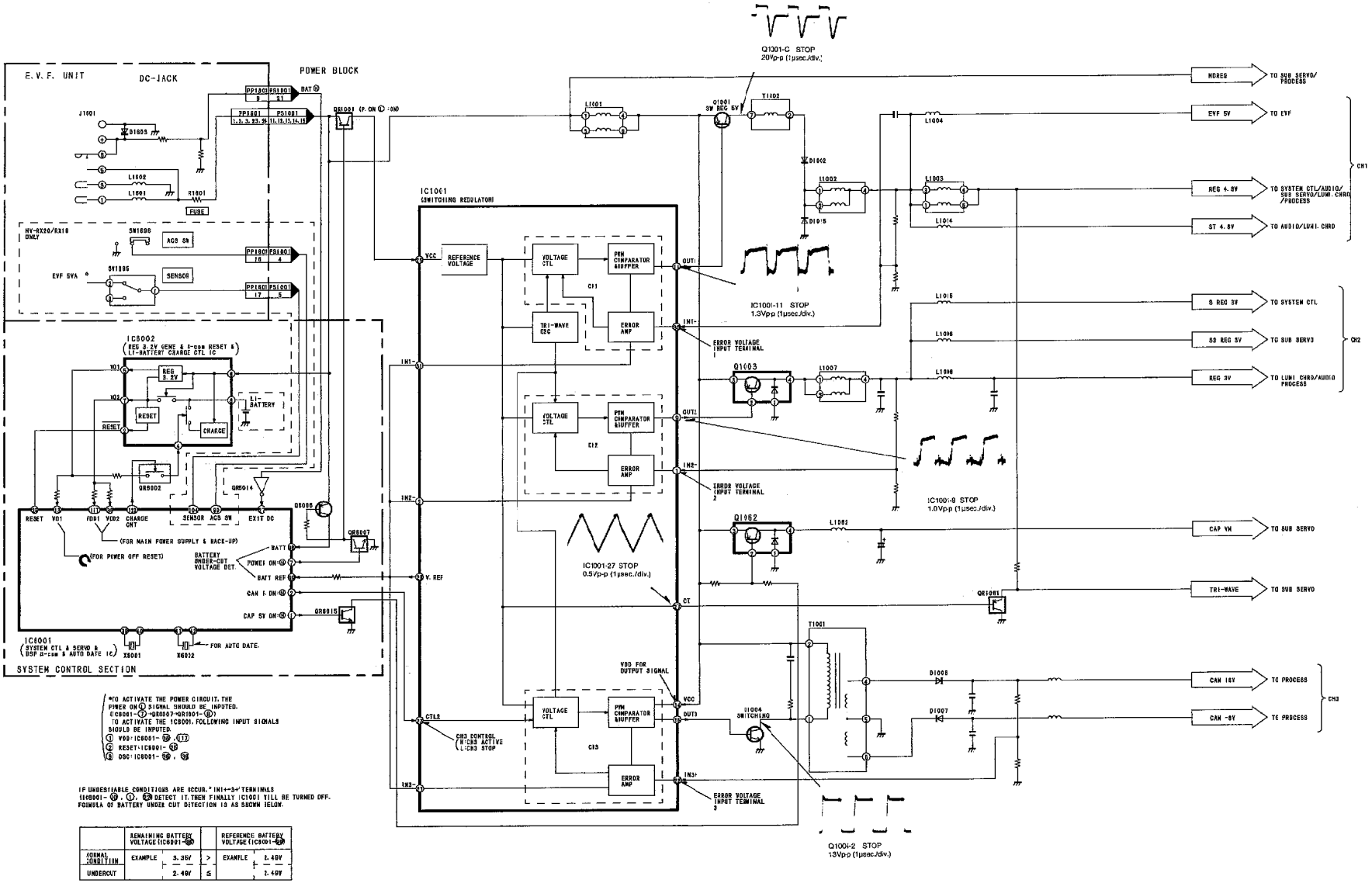
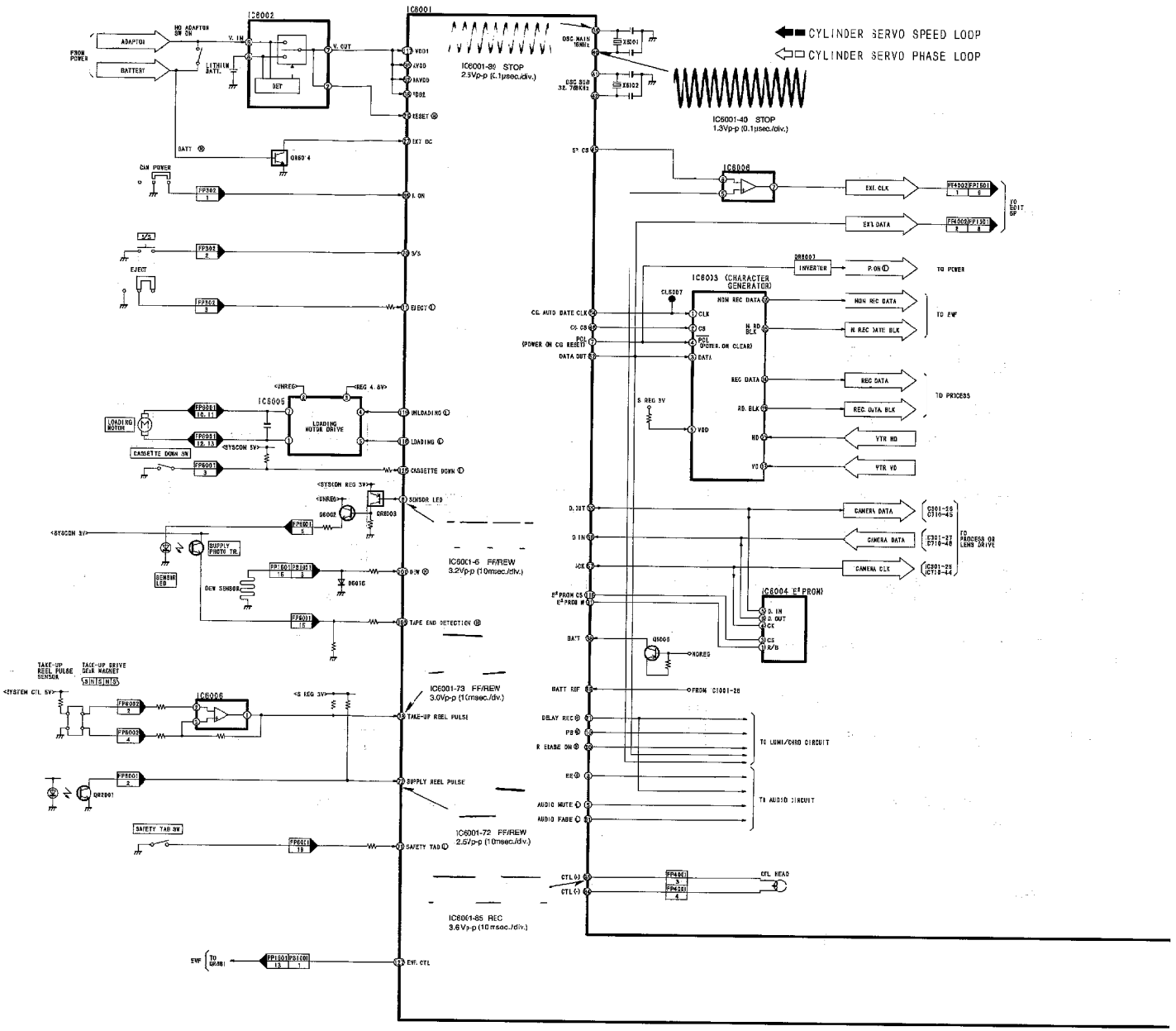
PROCESS Section

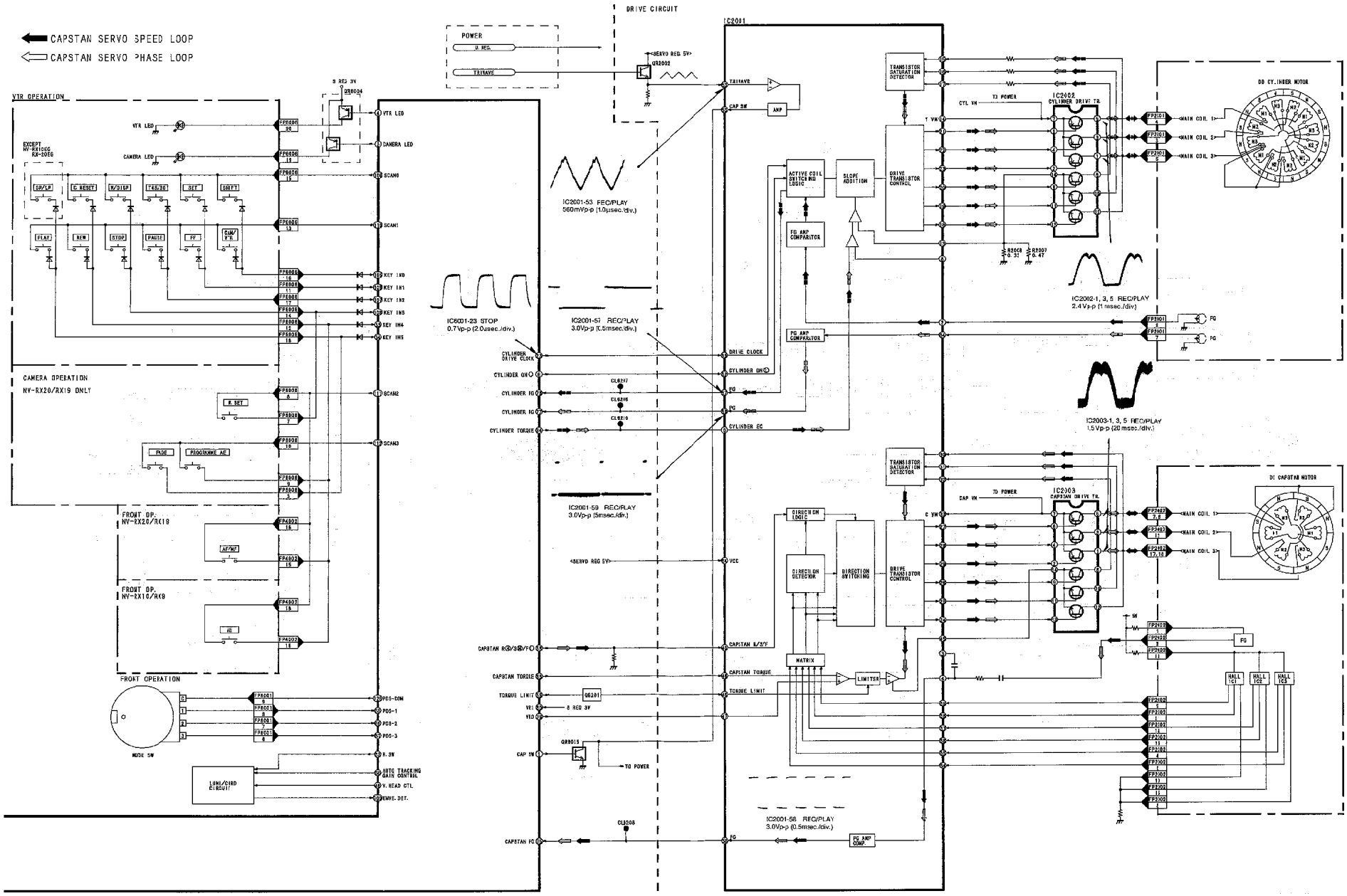
3-6. POWER BLOCK DIAGRAM



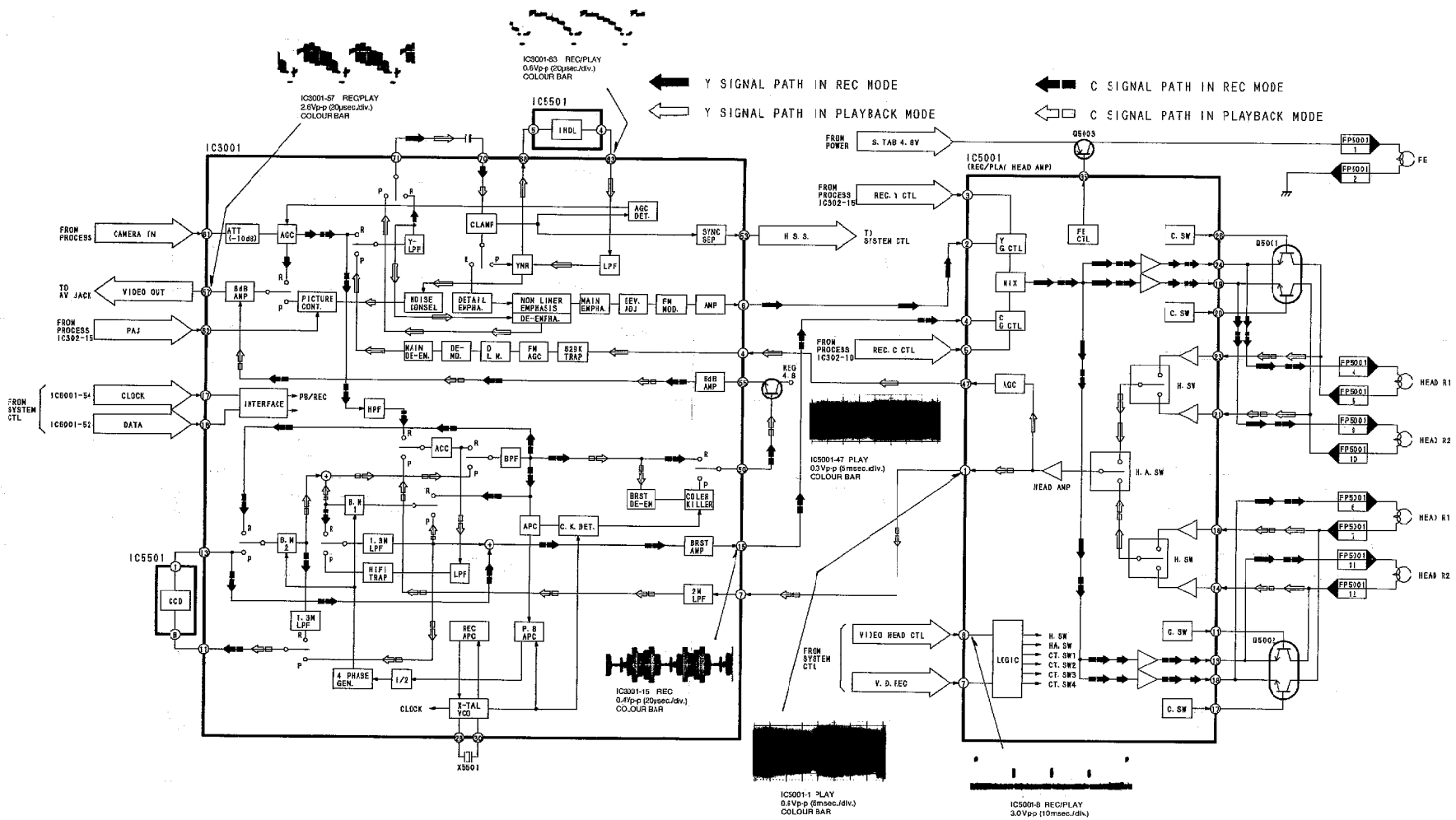
3-7. SYSTEM CONTROL & SERVO BLOCK DIAGRAM



Back Page:
POWER Section

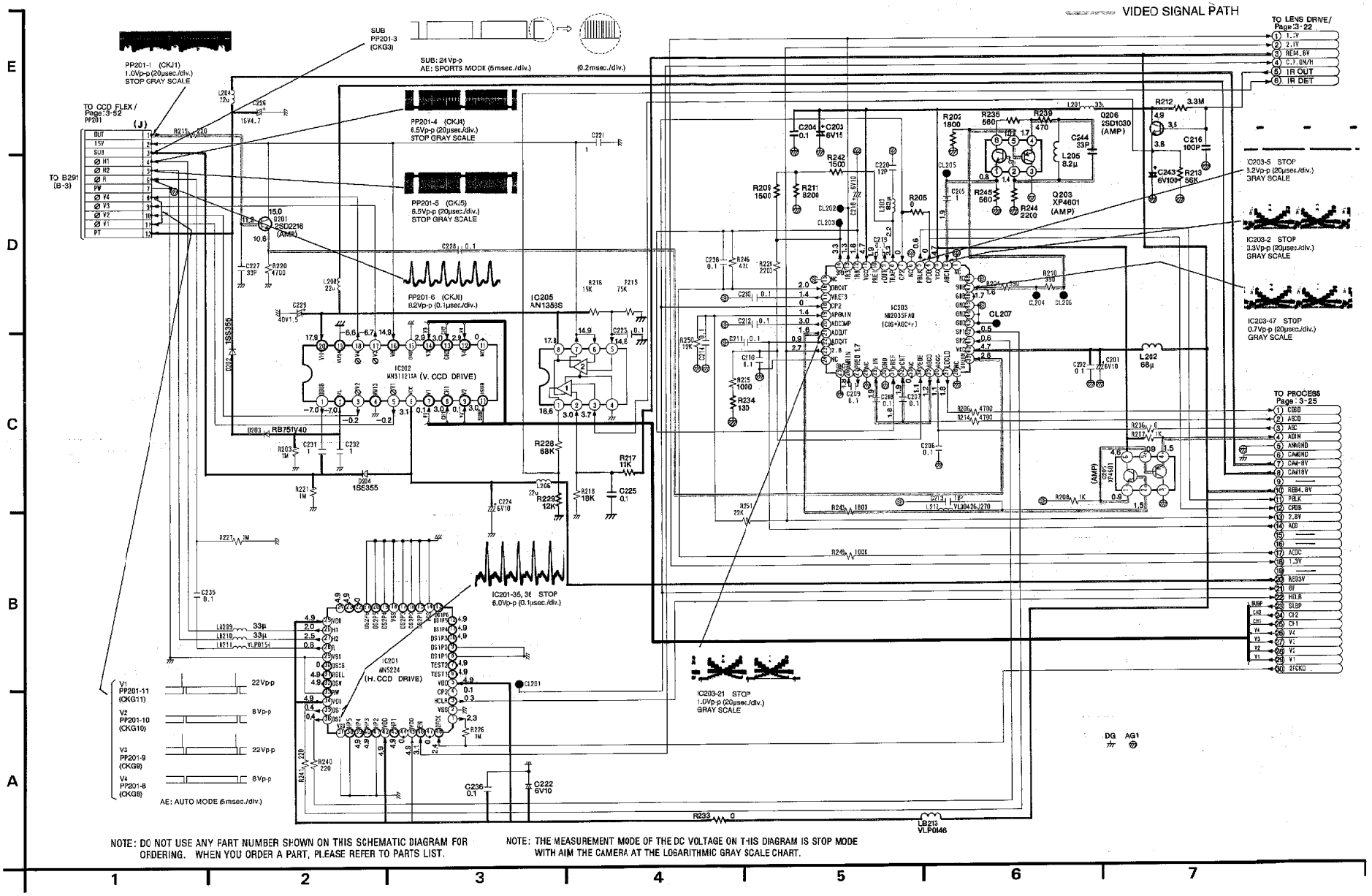

CAPSTAN SERVO SPEED LOOP
CAPSTAN SERVO PHASE LOOP
DRIVE CIRCUIT
POWER
D REG.
T.TRIWAVE
IC2001
VTR OPERATION
EXCEPT NV-RX10EG RX-20EG
SP/LP
C RESET
M/DISP
T-REC/DO
SET
SHIFT
PLAY
REW
STOP
PAUSE
FF
CAM/VTR
CAMERA OPERATION
NV-RX20/RX19 ONLY
R.SET
PLDE
PROGRAMME AE
FRONT OP. NV-RX20/RX19
AF/MF
FRONT OP. NV-RX10/RX9
IE
FRONT OPERATION
MODE SW
LUMI/CHRO CIRCUIT
VTR LED
CAMERA LED
SCAN0
SCAN1
KEY IN0
KEY IN1
KEY IN2
KEY IN3
KEY IN4
KEY IN5
SCAN2
SCAN3
PDS-COM
PDS-1
PDS-2
PDS-3
8.5V
ANTI TRACKING GAIN CONTROL
V. HEAD CTL
ENVE. DET.
IC2001-53 REC/PLAY 560mVp-p (1.0μsec./div.)
IC6001-23 STOP 0.7Vp-p (2.0μsec./div.)
IC2001-57 REC/PLAY 3.0Vp-p (0.5msec./div.)
IC2001-59 REC/PLAY 3.0Vp-p (5msec./div.)
IC2001-58 REC/PLAY 3.0Vp-p (0.5msec./div.)
IC2002-1, 3, 5 REC/PLAY 2.4Vp-p (1msec./div.)
IC2003-1, 3, 5 REC/PLAY 1.5Vp-p (20msec./div.)
CYLINDER DRIVE CLOCK
CYLINDER ON
CYLINDER FG
CYLINDER FG
CYLINDER TORQUE
CAPSTAN FG/S/F
CAPSTAN TORQUE
TORQUE LIMIT
CAP SW
TO POWER
CAPSTAN FG
TRIWAVE
CAP SW
ACTIVE COIL SWITCHING LOGIC
SLOPE ADDITION
FG AMP COMPARATOR
PG AMP COMPARATOR
DRIVE CLOCK
CYLINDER ON
FG
PG
CYLINDER EC
DIRECTION LOGIC
DIRECTION DETECTOR
DIRECTION SWITCHING
MATRIX
LIMITER
VCC
CAPSTAN S/F
CAPSTAN TORQUE
TORQUE LIMIT
TRANSISTOR SATURATION DETECTOR
DRIVE TRANSISTOR CONTROL
IC2002 CYLINDER DRIVE TR.
IC2003 CAPSTAN DRIVE TR.
CYL VM
CAP VM
T0 POWER
DD CYLINDER MOTOR
DD CAPSTAN MOTOR
MAIN COIL 1
MAIN COIL 2
MAIN COIL 3
HALL IC1
HALL IC2
HALL IC3

3-8. LUMINANCE/CHROMINANCE BLOCK DIAGRAM



Back Page:
SYSTEM CTL & SERVO Section

3-9. SENSOR SCHEMATIC DIAGRAM

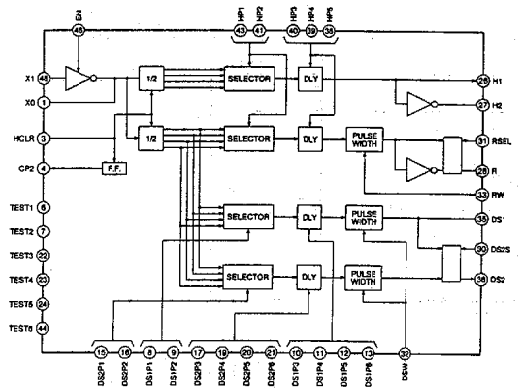


NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

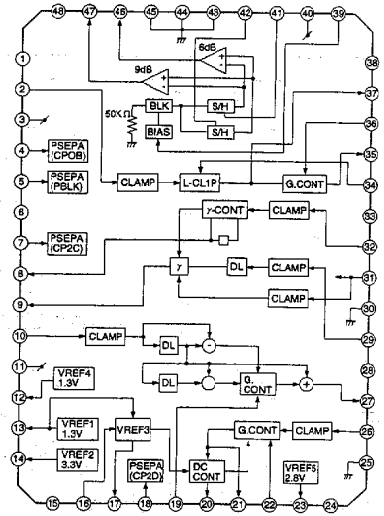
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE WITH AIM THE CAMERA AT THE LOGARITHMIC GRAY SCALE CHART.

SENSOR IC BLOCK

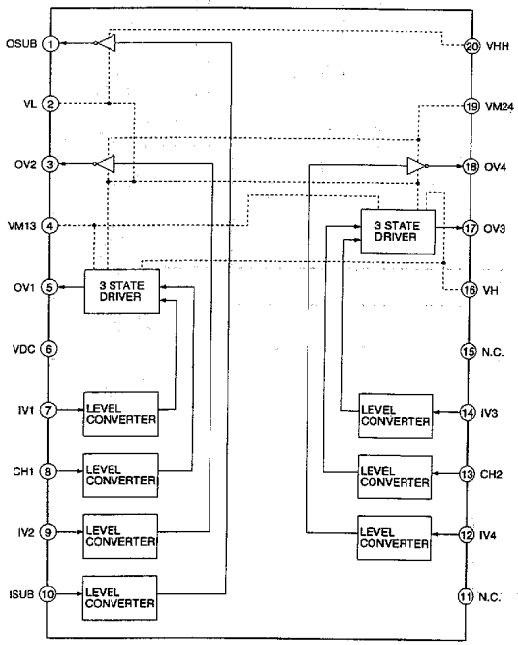
IC201 (MN5224)
(LOCATION: B-3)



IC203 (MN2035FAQ)
(LOCATION: D-5)

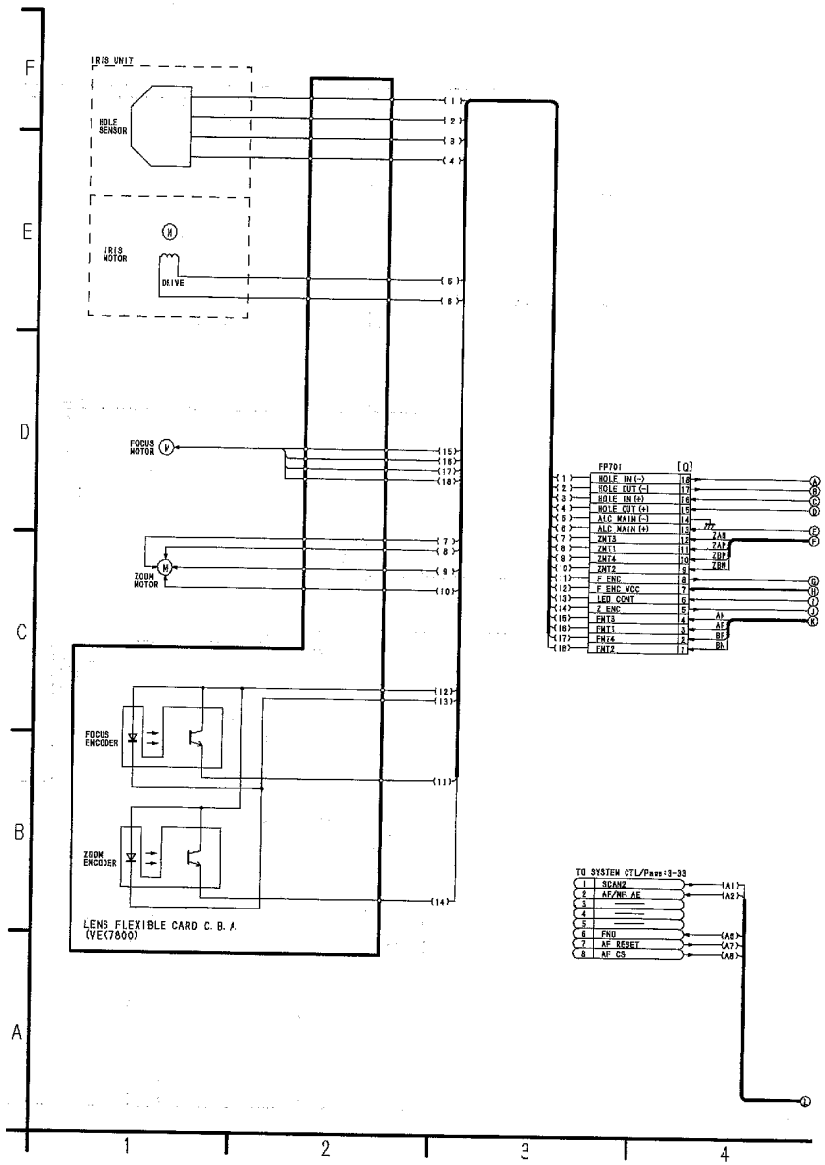


IC202 (MN31121SA)
(LOCATION: C-3)



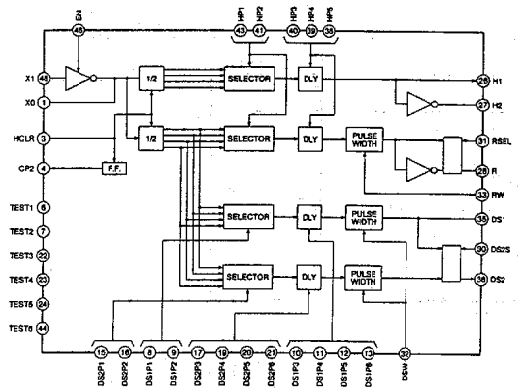
Back Page:
SENSOR Section

3-10. LENS DRIVE SCHEMATIC DIAGRAM

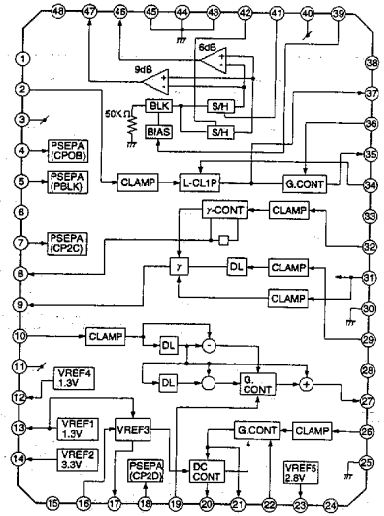


SENSOR IC BLOCK

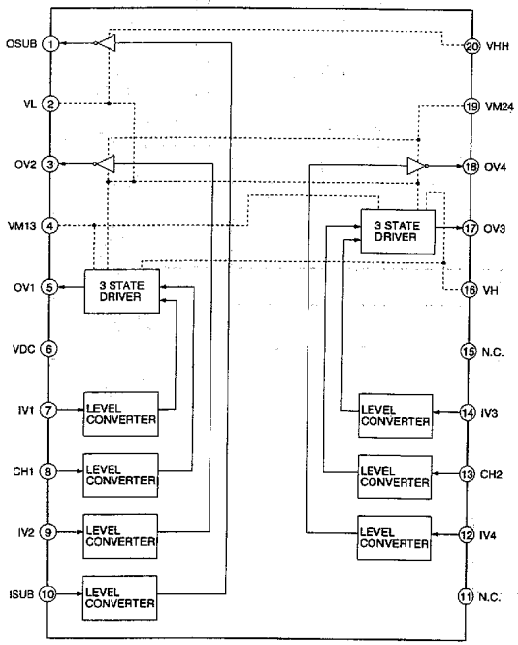
IC201 (MN5224)
(LOCATION: B-3)



IC203 (MN2035FAQ)
(LOCATION: D-5)

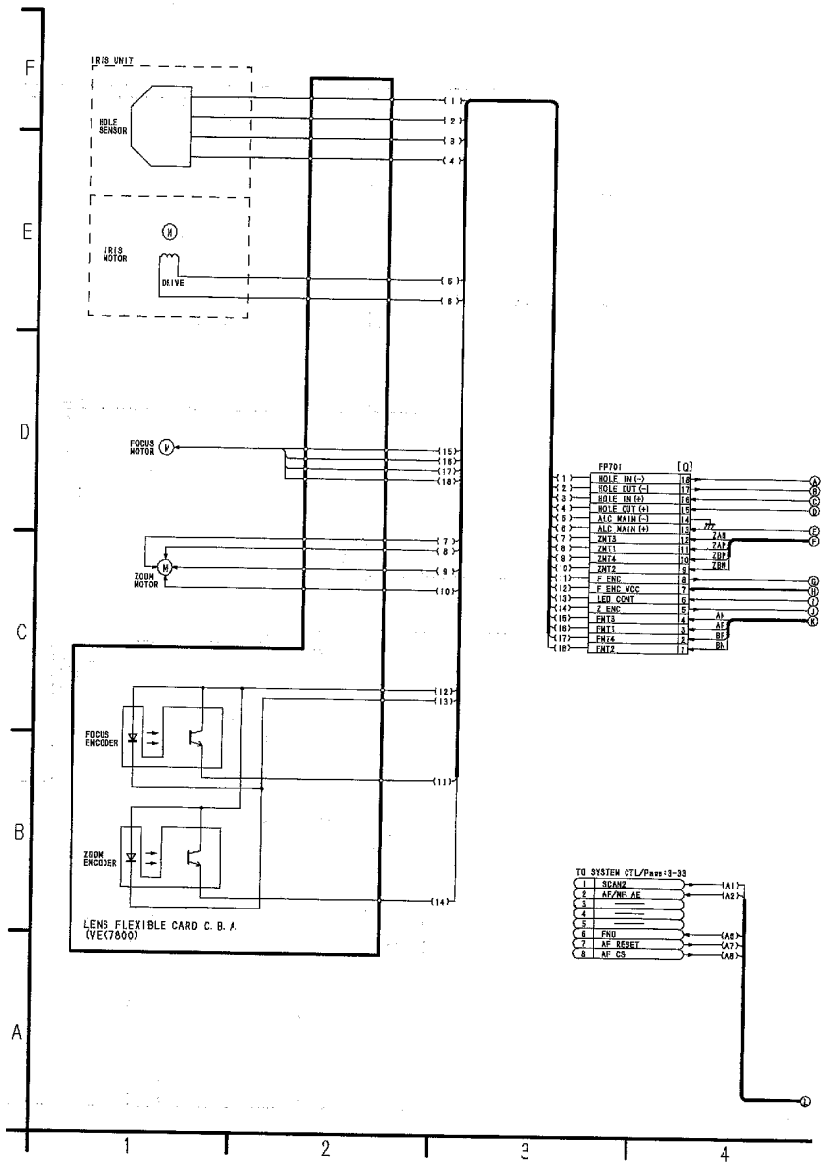


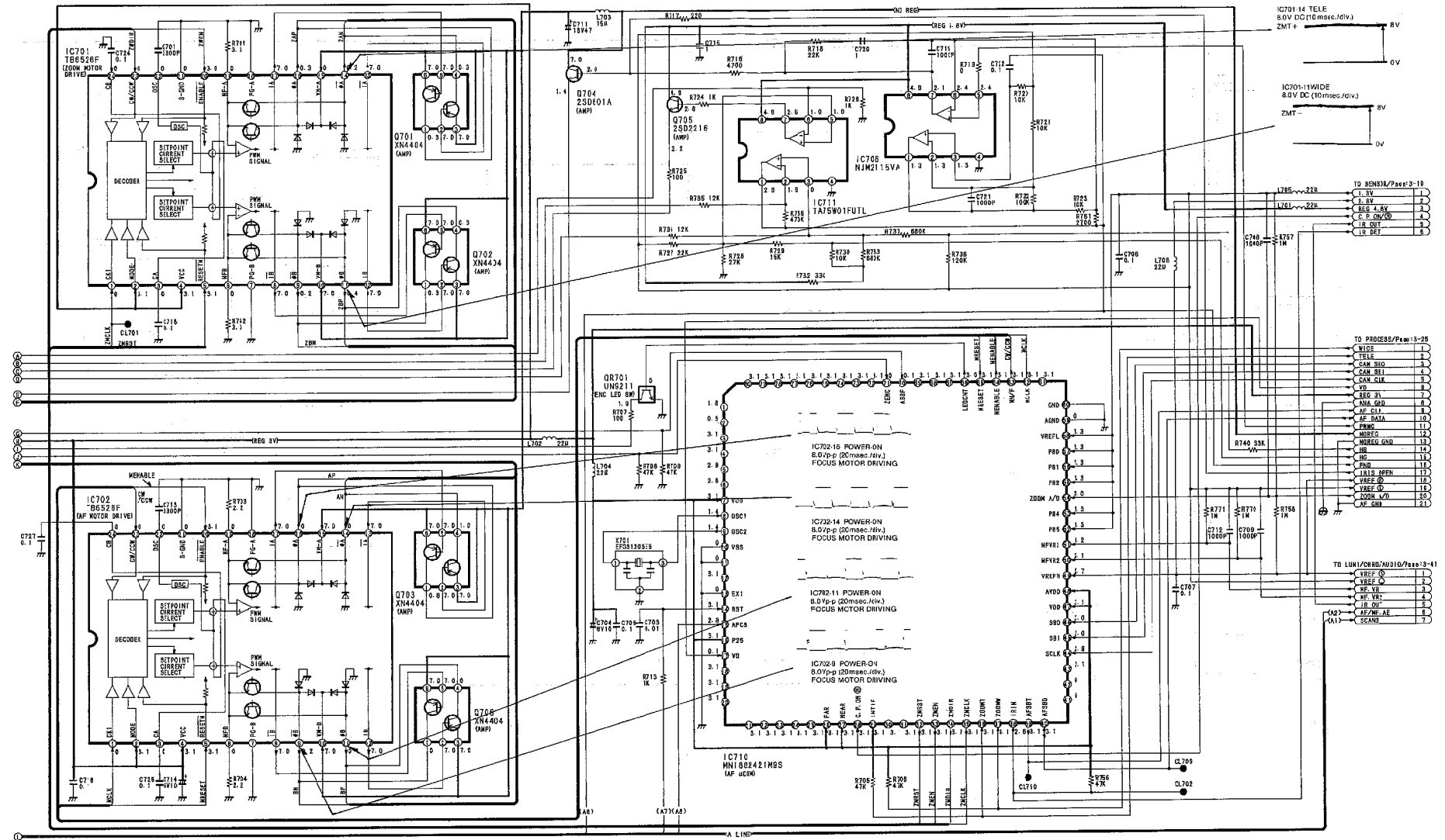
IC202 (MN31121SA)
(LOCATION: C-3)



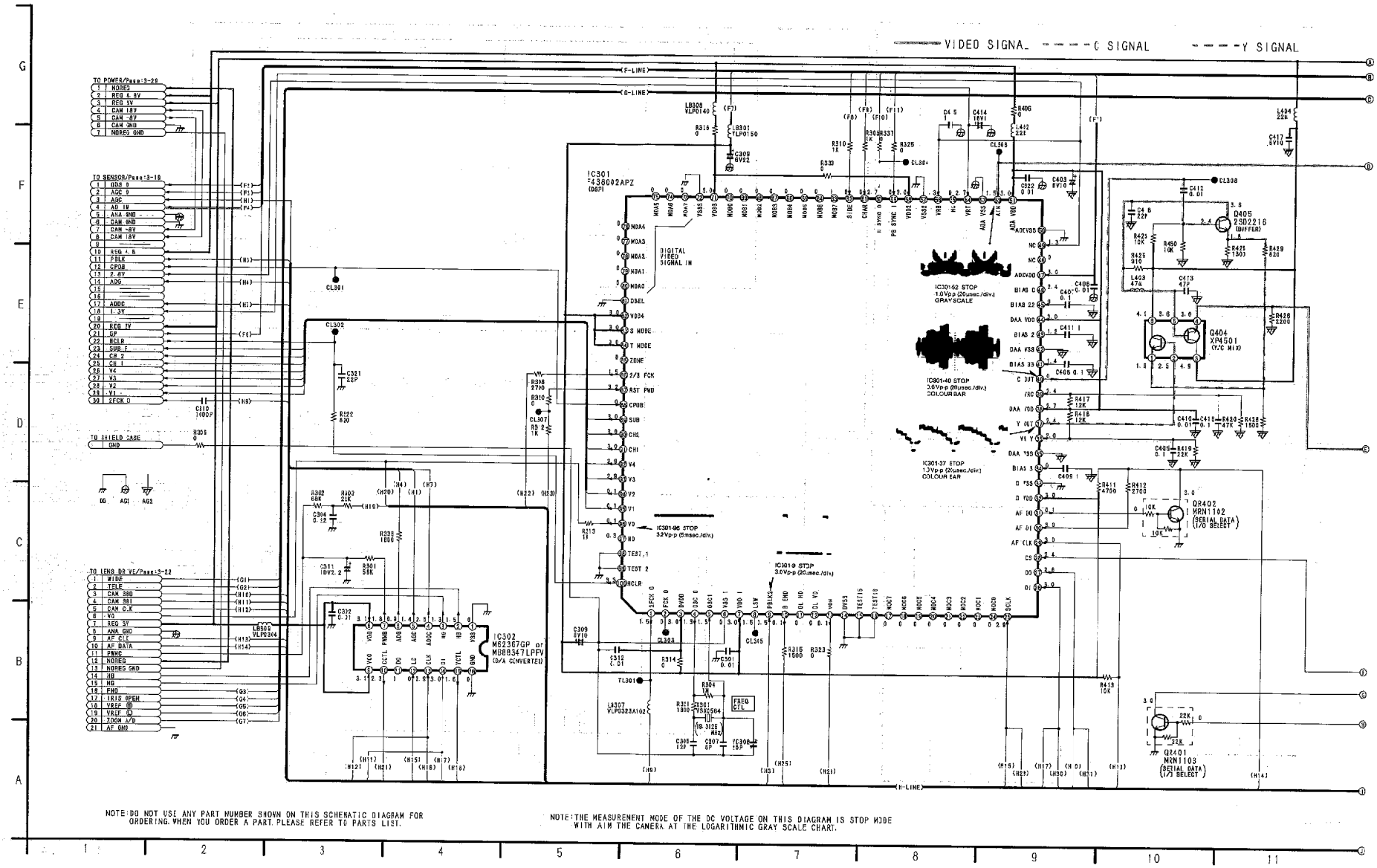
Back Page:
SENSOR Section

3-10. LENS DRIVE SCHEMATIC DIAGRAM




IC701
TB6526F
(ZOOM MOTOR DRIVE)
IC702
TB6526F
(AF MOTOR DRIVE)
Q701
XN4404
(AMP)
Q702
XN4404
(AMP)
Q703
XN4404
(AMP)
Q704
2SD601A
(AMP)
Q705
2SD2216
(AMP)
IC706
NJM2115VA
IC711
TA75W01FUTL
QR701
UNS211
(ENC LED BW)
IC710
MN182421M9S
(AF uCOM)
IC702-16 POWER-ON
8.0Vp-p (20msec./div.)
FOCUS MOTOR DRIVING
IC702-14 POWER-ON
8.0Vp-p (20msec./div.)
FOCUS MOTOR DRIVING
IC702-11 POWER-ON
8.0Vp-p (20msec./div.)
FOCUS MCTOR DRIVING
IC702-9 POWER-ON
8.0Vp-p (20msec./div.)
FOCUS MOTOR DRIVING
IC701-14 TELE
8.0V DC (10msec./div.)
ZMT+
8V
0V
IC701-11WIDE
8.0V DC (10msec./div.)
ZMT−
8V
0V
TO SENSOR/Page:3-19
TO PROCESS/Page:3-25
TO LUM1/CHRO/AUDIO/Page:3-41
(REG 3V)
(REG 4.8V)
NO REG
A LINE
NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.
NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE WITH AIM THE CAMERA AT THE LOGARITHMIC GRAY SCALE CHART.

3-11. PROCESS SCHEMATIC DIAGRAM



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE WITH AIM THE CAMERA AT THE LOGARITHMIC GRAY SCALE CHART.

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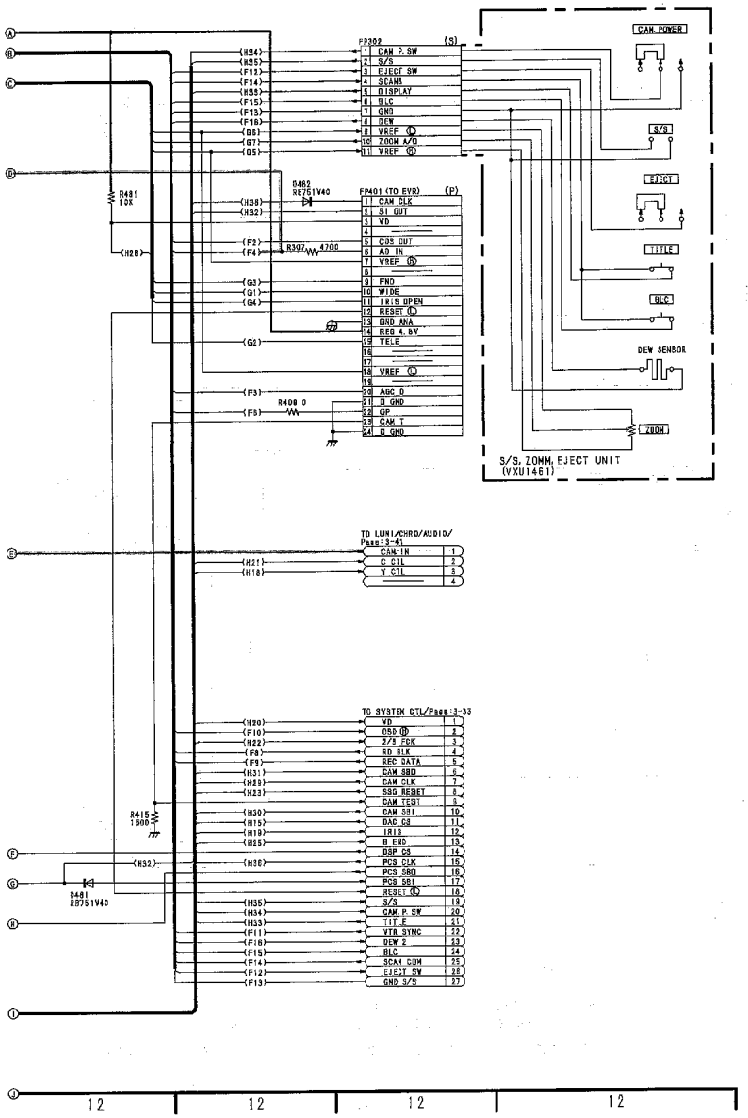
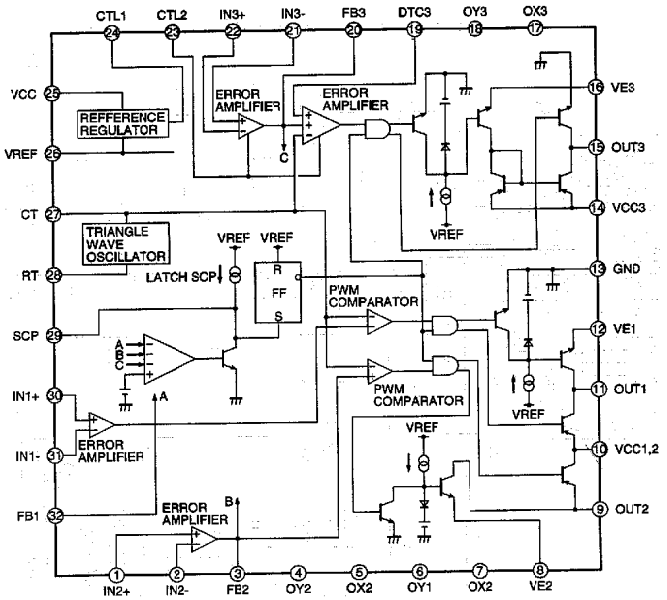
LENS DRIVE Section

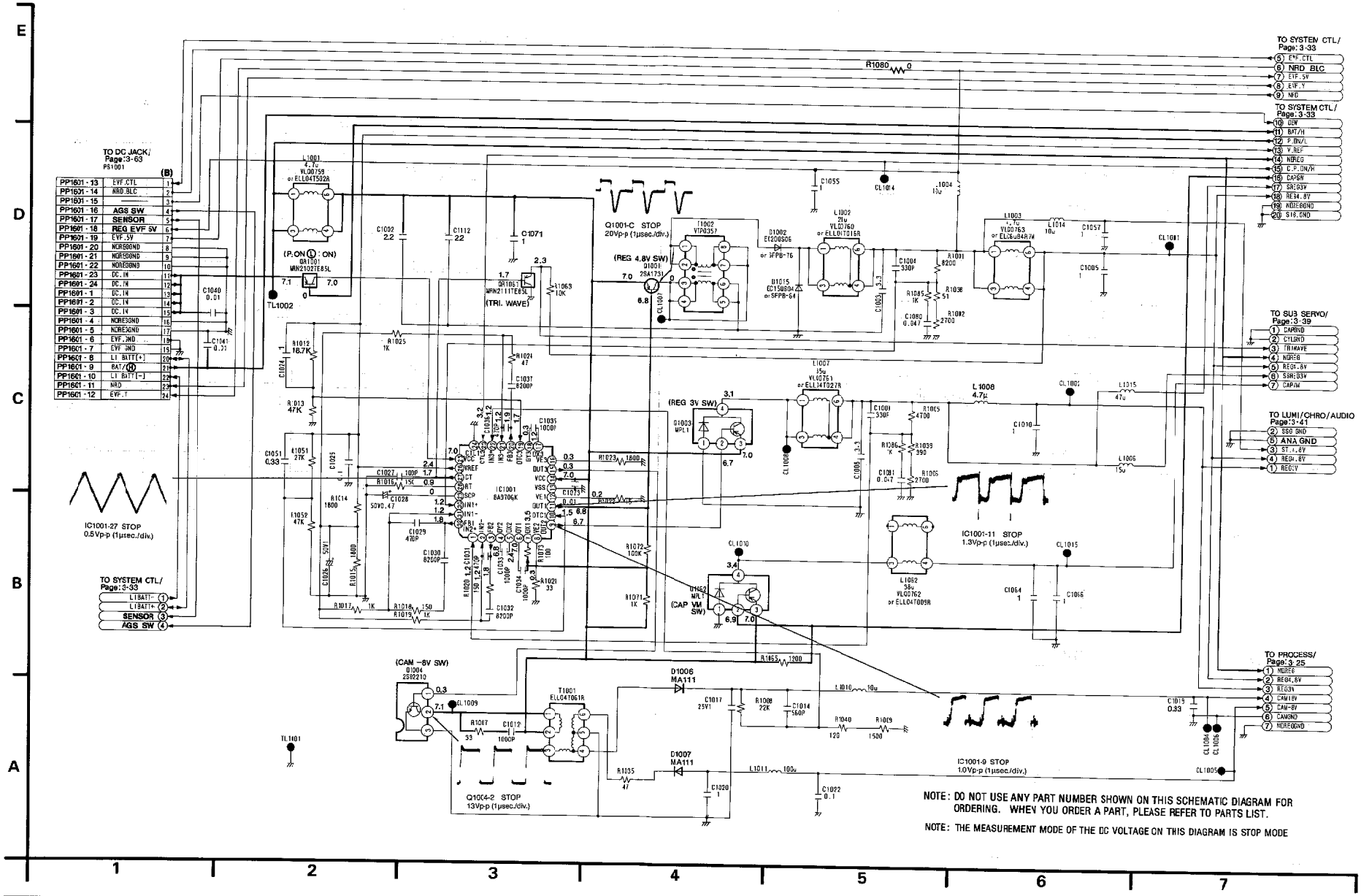


POWER IC BLOCK

IC1001 (BA9706K)
(LOCATION: C-3)



3-12. POWER SCHEMATIC DIAGRAM


TO DC JACK/ Page:3-63
TO SYSTEM CTL/ Page:3-33
TO SUB SERVO/ Page:3-39
TO LUMI/CHRO/AUDIO Page:3-41
TO PROCESS/ Page:3-25
IC1001-27 STOP 0.5Vp-p (1µsec./div.)
Q1001-C STOP 20Vp-p (1µsec./div.)
IC1001-11 STOP 1.3Vp-p (1µsec./div.)
IC1001-9 STOP 1.0Vp-p (1µsec./div.)
Q1004-2 STOP 13Vp-p (1µsec./div.)
(REG 4.8V SW)
(REG 3V SW)
(CAP VM SW)
(CAM −8V SW)
(P.ON: ON)
(TRI. WAVE)
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEV YOU ORDER A PART, PLEASE REFER TO PARTS LIST.
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE

Back Page:
PROCESS Section

SYSTEM CONTROL & SERVO ICs DC VOLTAGE CHART (SP MODE)

REF. NO.	IC6001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	3.1	0	3.1	0	3.1	3.1	3.1	0	0	3.1	0.1	3.2	0	0	1.6	3.1	0	0	0
PLAY	0	0	3.1	0	0	3.1	3.1	0	0	3.1	3.1	0.1	3.2	0	0	1.6	0	0	0	0
F.F	0	3.2	3.2	0	3.2	2.7	3.1	3.2	0	0	3.2	0.1	3.2	0	0	1.6	1.9	0	0	0
REF. NO.	IC6001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	3.1	1.6	3.1	3.1	0	3.2	0.1	0	0	3.1	0	3.0	3.0	0	3.0	3.1	3.2	1.6	1.6
PLAY	0	0	1.6	3.1	3.1	0	3.1	0.1	0	0	3.0	0	3.0	3.0	0	3.0	3.0	3.1	—	—
F.F	0	3.2	1.6	3.2	3.2	0	3.2	0.1	0	0	3.0	0	3.0	3.0	0	3.0	3.0	3.2	—	—
REF. NO.	IC6001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	1.5	1.2	0	0	0.8	2.8	0	0.1	0.2	0	0.2	2.7	2.7	2.8	3.0	3.0	2.9	0	0	0.9
PLAY	1.6	1.2	0	0	0.8	2.8	0	0.1	0	0	0	2.7	2.7	2.7	3.0	3.0	3.0	0	3.1	1.2
F.F	1.6	1.1	0	0	0.8	2.8	0	0	0.4	0	0.4	2.8	2.8	2.8	3.0	2.7	2.9	0	3.2	0.9
REF. NO.	IC6001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0	0	1.6	0	3.1	3.1	0	0	0.3	3.0	0	0.1	0	0.7	0	1.6	0.1	0	1.6	1.6
PLAY	0	0	1.6	0	3.1	3.1	0	0	0.3	3.0	0	2.5	1.6	0.7	1.5	1.5	0.1	0	1.6	1.6
F.F	0	0	1.6	0	3.2	3.2	0	0	0.3	3.0	0	1.3	1.5	0.7	1.5	1.6	0.1	0	1.6	1.6
REF. NO.	IC6001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
STOP	1.4	1.7	3.1	0	0	0	1.6	1.6	0	3.0	1.6	3.1	0	1.5	3.1	0	2.7	3.1	2.0	1.7
PLAY	1.5	1.6	3.1	0	0	0	1.6	1.6	0	3.0	1.5	3.1	1.4	1.3	3.1	0	1.3	3.1	2.0	2.2
F.F	1.4	1.6	3.2	0	0	0	1.6	1.6	0	3.0	1.6	3.2	1.3	1.5	3.2	0	2.0	3.1	2.0	1.7
REF. NO.	IC6001																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
STOP	0	0	0	0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	2.8	2.4	0	3.1	3.1	0	0	0
PLAY	0	0	0	0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	2.9	0	3.1	3.1	0	0	0	0
F.F	0	0	0	0	3.0	3.0	3.0	3.0	3.2	3.2	3.2	3.2	2.8	2.4	0	3.2	3.2	0	0	0
REF. NO.	IC6001																			
MODE	121	122	123	124	125	126	127	128												
STOP	0	0	3.1	3.1	0	0	3.1	0												
PLAY	0	0	3.1	3.1	0	0	0	0												
F.F	0	0	3.2	3.2	0	0	3.2	0												
REF. NO.	IC6002																			
MODE	1	2	3	4	5	6	7	8												
STOP	3.1	3.1	0	3.1	3.2	7.1	3.2	3.3												
PLAY	3.1	3.1	0	3.1	3.2	7.1	3.2	3.2												
F.F	3.2	3.2	0	3.2	3.2	7.0	3.2	3.3												
REF. NO.	IC6003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	2.8	2.8	2.7	3.1	3.0	0	0	1.4	0	0	0	0	0	0	0.1	0	0	0	3.0	2.7
PLAY	2.8	2.8	2.8	3.1	3.0	0	0	1.4	0	0	0	0	0	0	0	0	0	0	2.9	2.6
F.F	2.8	2.8	2.7	3.1	3.0	0	0	1.4	0	0	0	0	0	0	0	0	0	0	3.0	2.7

REF. NO.	IC6004								IC6005							
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
STOP	3.0	3.0	3.0	2.9	3.0	2.6	0	0	0	7.0	4.9	0	0	0	0	0
PLAY	3.0	3.0	3.0	3.0	3.0	2.7	0	0	0	7.0	4.9	0	0	3.0	0	0
F.F	3.0	3.0	3.0	2.9	3.0	2.7	0	0	0	7.0	4.9	0	0	3.0	0	0

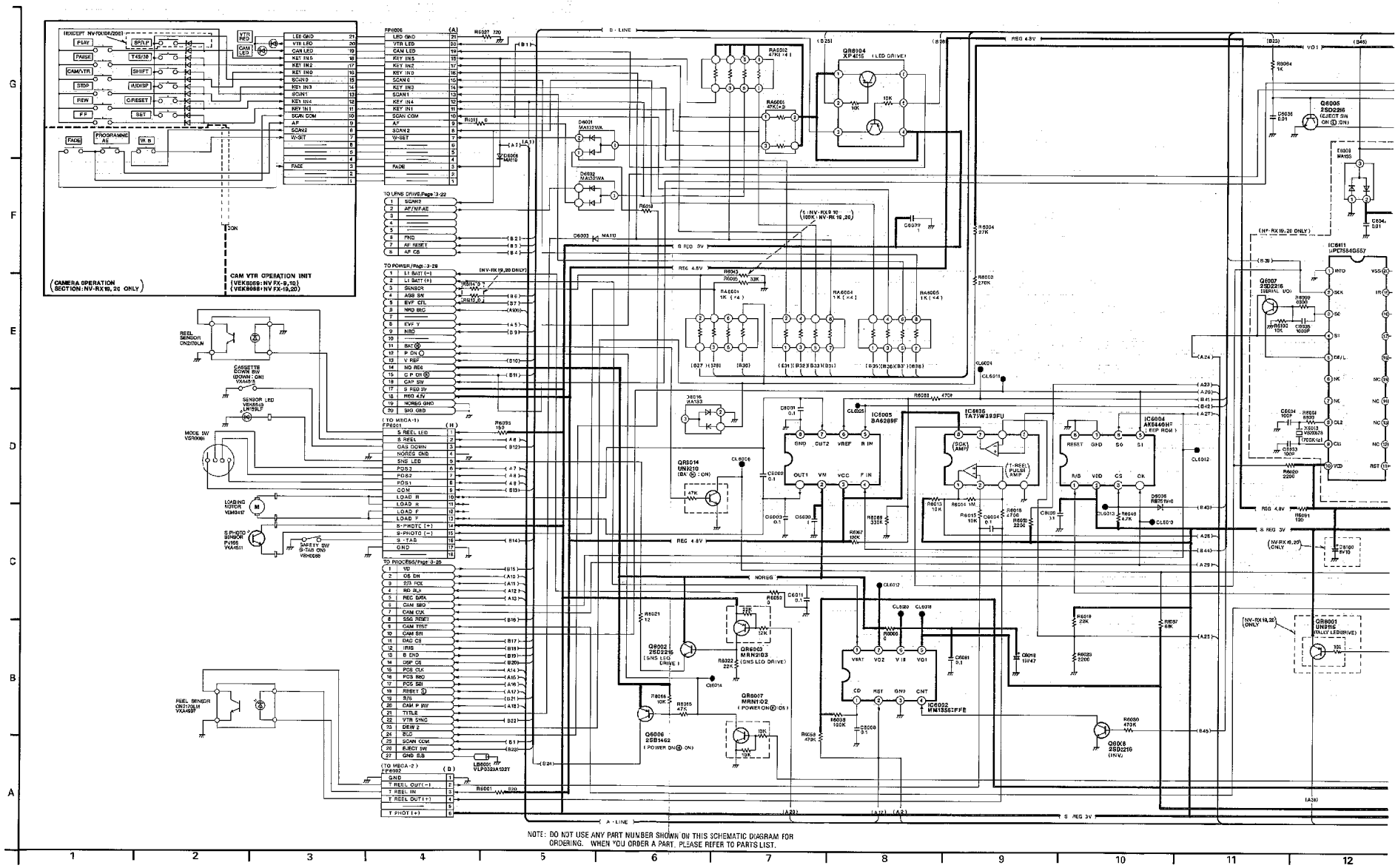
REF. NO.	IC6006								IC6008							
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
STOP	3.0	0.6	0.7	0	2.8	0.4	4.6	4.9	0	2.8	2.8	0	0	0.3	3.0	3.1
PLAY	1.5	0.7	0.7	0	2.8	0.4	4.6	4.9	0	2.8	2.8	0	0	0.3	3.0	3.1
F.F	1.4	0.6	0.6	0	2.8	0.4	4.6	4.9	0	2.8	2.8	0	0	0.3	3.0	3.0

REF. NO.	IC6009										IC6012									
MODE	1	2	3	4	5						1	2	3	4	5	6	7	8		
STOP	1.5	1.5	0	1.3	3.1						2.7	0	0	0	2.7	2.7	2.3	3.0		
PLAY	1.5	1.5	0	1.4	3.0						2.8	0	0	0	0	0.5	2.5	3.0		
F.F	1.5	1.5	0	1.4	3.0						2.7	0	0	0	0	2.7	2.3	3.0		

SYSTEM CONTROL & SERVO TRs DC VOLTAGE CHART (SP MODE)

REF. NO.	Q6002			Q6006			Q6201													
MODE	E	C	B	E	C	B	E	C	B											
STOP	0.1	7.1	0	7.1	7.0	6.5	0	0.3	0											
PLAY	0.1	7.1	0	7.0	7.0	6.4	3.2	3.1	2.6											
F.F	0.6	7.0	0.5	7.0	6.9	6.4	3.2	3.1	2.8											
REF. NO.	QR6001			QR6003			QR6004						QR6005			QR6007				
MODE	E	C	B	E	C	B	1	2	3	4	5	6	E	C	B	E	C	B		
STOP	3.0	0	3.2	3.1	0	3.1	3.1	0	0	3.1	3.1	3.0	0	2.7	0.7	0	0	3.1		
PLAY	3.0	0	3.2	3.0	0	3.1	3.0	3.1	0	3.0	0	0	0	0	0.7	0	0	3.1		
F.F	3.0	0	3.2	3.0	0.5	2.6	3.0	3.2	0	3.0	0	0	0	2.7	0.7	0	0	3.1		
REF. NO.	QR6008			QR6012			QF6014			QR6015			QR6050							
MODE	E	C	B	E	C	B	E	C	B	E	C	B	1	2	3	4	5			
STOP	0	0	0	0	2.7	0	0	3.2	0	0	6.3	0	0	0	0	0	0			
PLAY	0	0	0	0	2.8	0	0	3.2	0	0	6.8	0	0	0	0	0	0			
F.F	0	0	0	0	2.8	0	0	3.2	0	0	6.5	0	0	0	0	0	0			

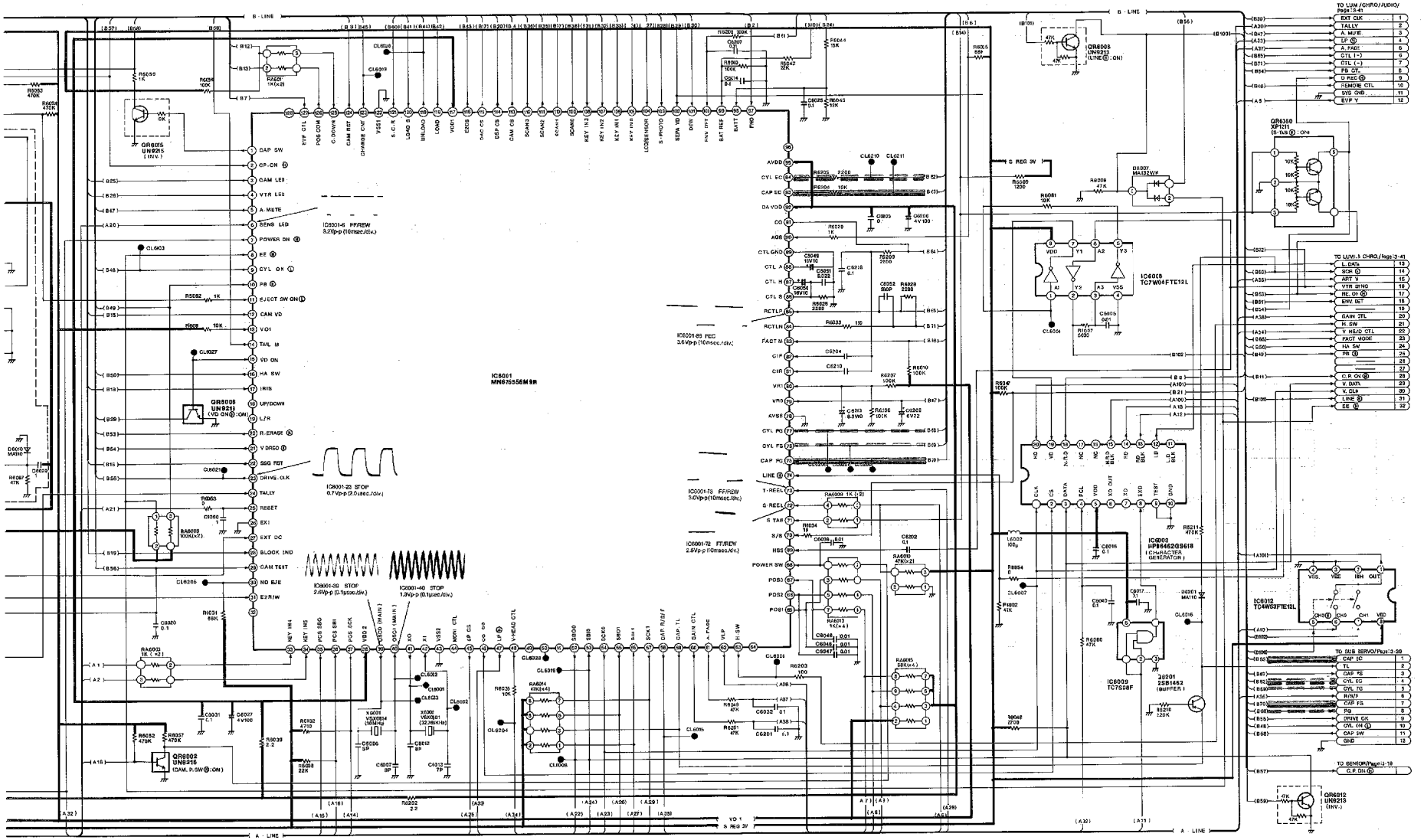
3-13. SYSTEM CONTROL & SERVO SCHEMATIC DIAGRAM



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

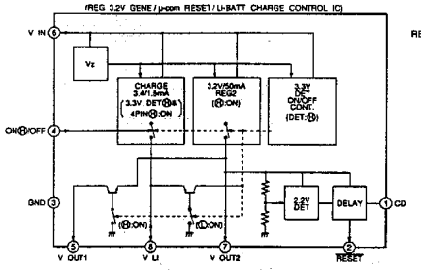
Back Page:
SYSTEM CTL VOLTAGE CHART

CAPSTAN SERVO SPEED LOOP　CAPSTAN SERVO PHASE LOOP　CYLINDER SERVO SPEED LOOP　CYLINDER SERVO PHASE LOOP

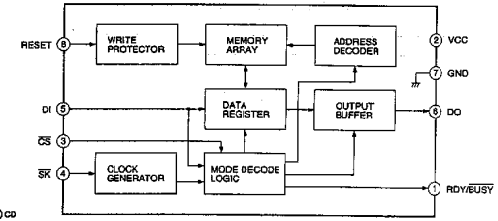


SYSTEM CONTROL IC BLOCK

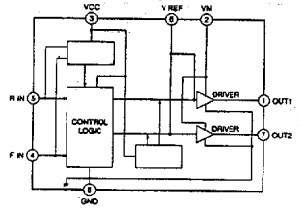
IC6002 (MN1355XFFE)
(LOCATION: B-8)



IC6004 (AK6440HF)
(LOCATION: D-10)

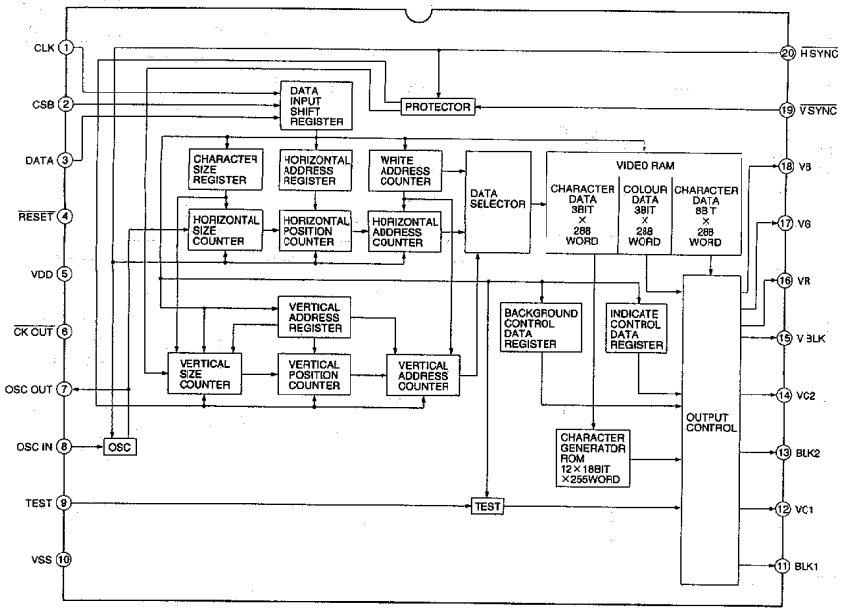


IC6005 (BA6289F)
(LOCATION: D-8)



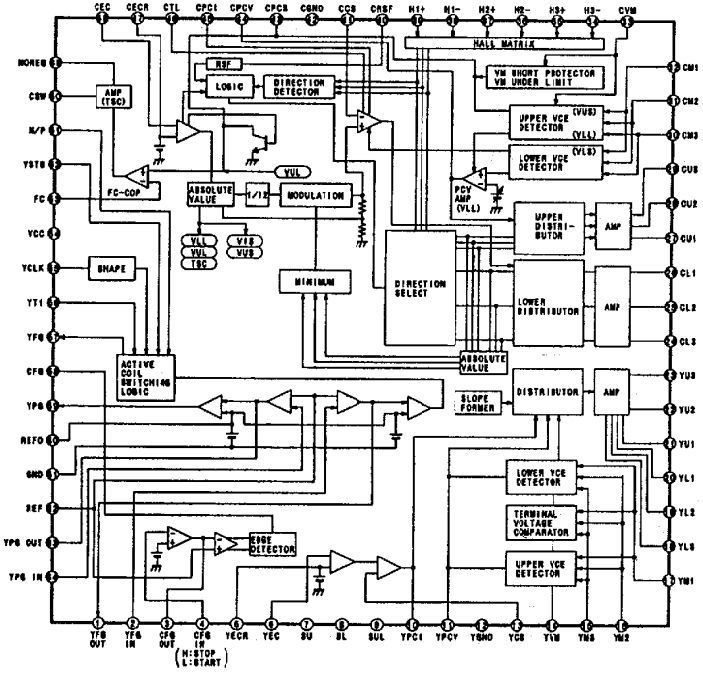
R IN	F IN	OUT 2	OUT 1	MODE
H	L	L	H	FORWARD
L	H	H	L	REVERSE
H	H	L	L	BRAKE
L	L	OPEN	OPEN	STAND BY

IC6003 (μPD6462GS618)
(LOCATION: C-22)

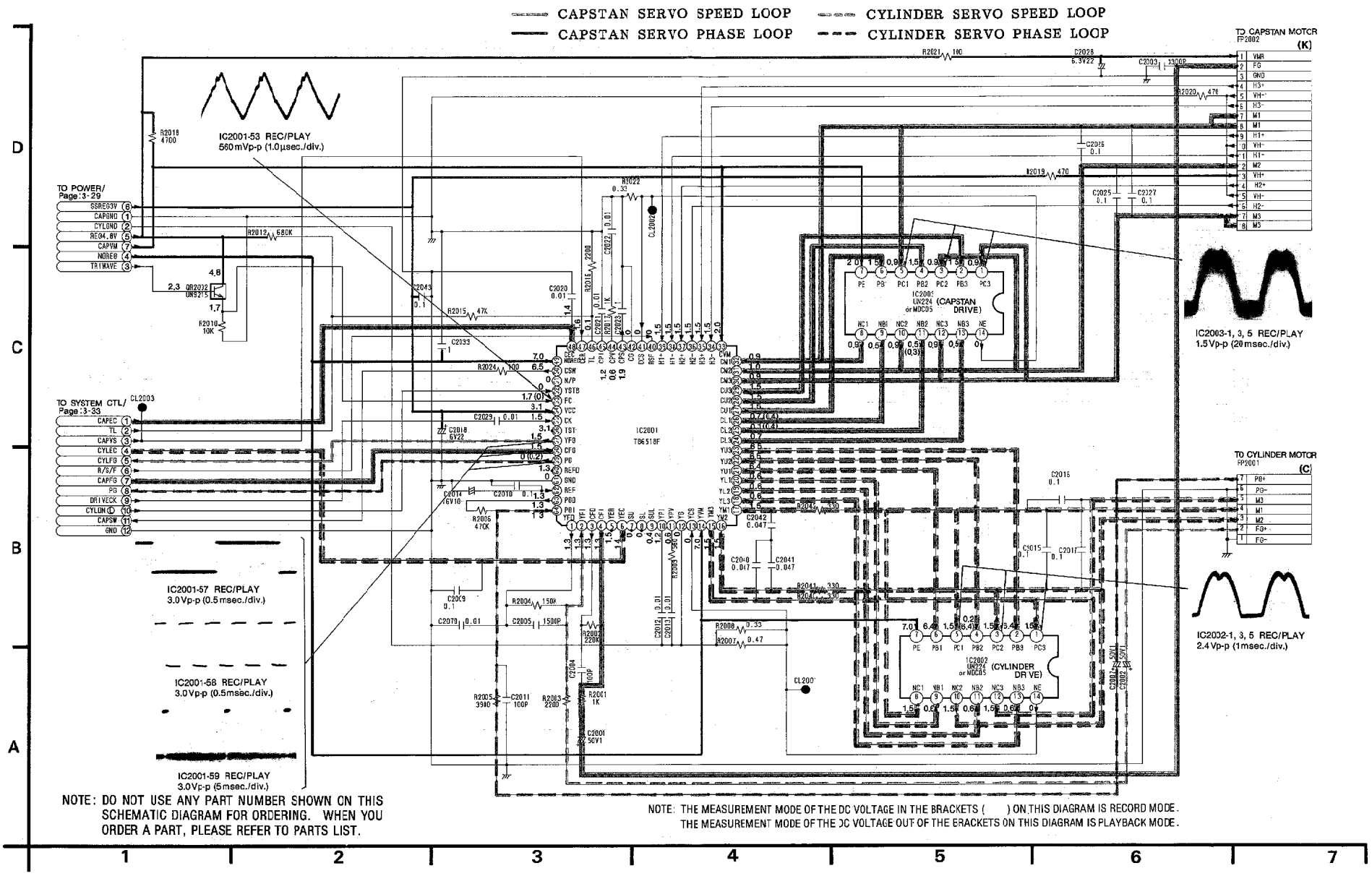


SUB SERVO IC BLOCK

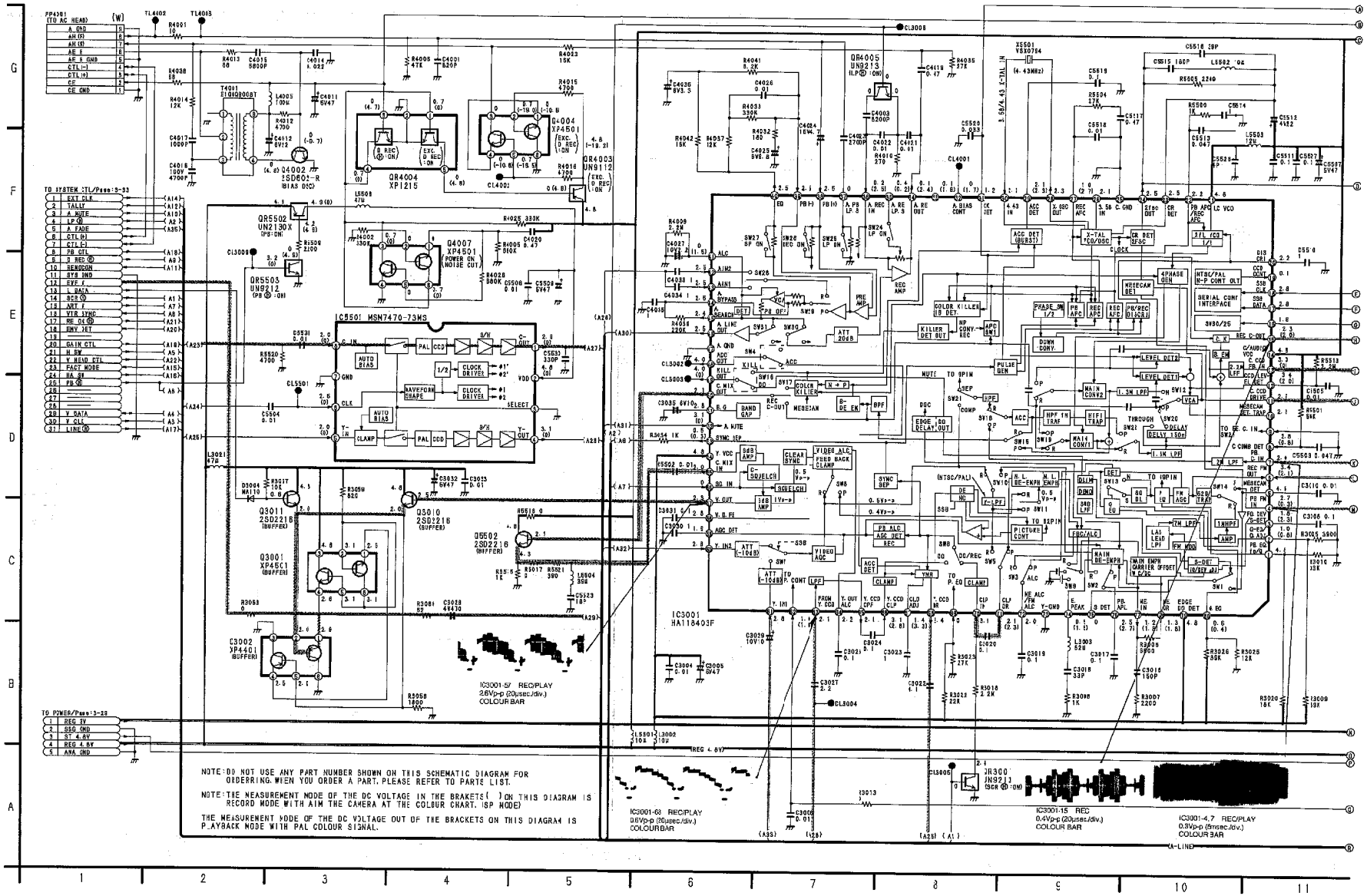
IC2001 (TB6518F)
(LOCATION: C-4)



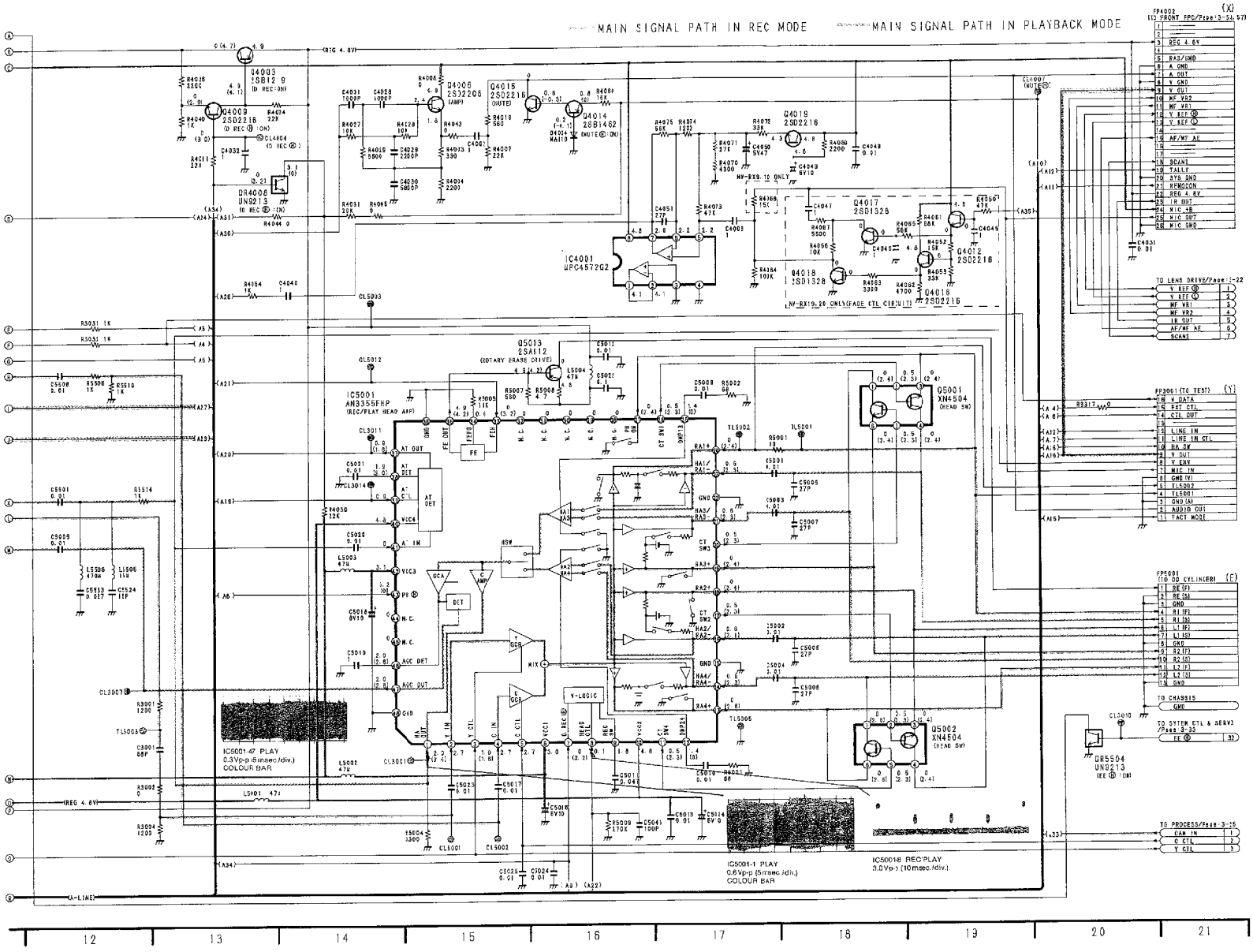
3-14. SUB SERVO SCHEMATIC DIAGRAM



3-15. LUMINANCE/CHROMINANCE/AUDIO SCHEMATIC DIAGRAM

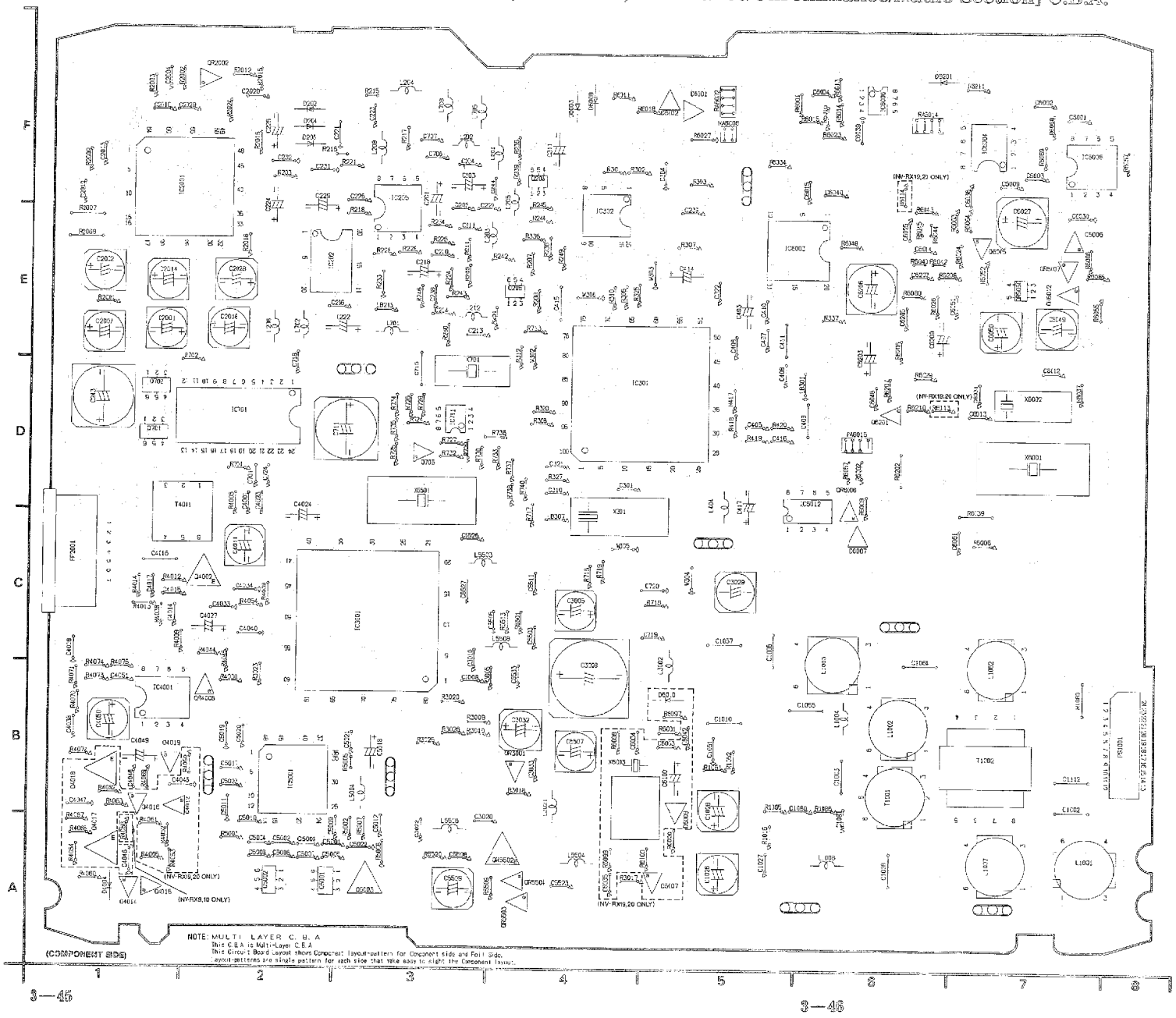

IC5501 MSN7470-73MS
IC3001 HA118403F
Q3011 2SD2218 (BUFFER)
Q3010 2SD2216 (BUFFER)
Q5502 2SD2216 (BUFFER)
Q3001 XP4501 (BUFFER)
C3002 XP4401 (BUFFER)
QR5502 UN2130X (PS ON)
QR5503 UN9212 (PB ON)
QR4004 XP1215
Q4007 XP4501 (POWER ON/NOISE CUT)
Q4004 XP4501
QR4003 UN9112 (EXC. D REC ON)
QR4005 UN9213 (LPF ON)
QR300 UN9211 (SCR ON)
TO SYSTEM CTL/Page 3-33
TO POWER/Page 3-28
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERRING WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRAKETS( ) ON THIS DIAGRAM IS RECORD MODE WITH AIM THE CAMERA AT THE COLOUR CHART. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.
IC3001-57 REC/PLAY 2.6Vp-p (20usec/div.) COLOUR BAR
IC3001-63 REC/PLAY 0.6Vp-p (20usec/div.) COLOUR BAR
IC3001-15 REC 0.4Vp-p (20usec/div.) COLOUR BAR
IC3001-4,7 REC/PLAY 0.3Vp-p (5msec/div.) COLOUR BAR

Back Page:
SUB SERVO Section


MAIN SIGNAL PATH IN REC MODE
MAIN SIGNAL PATH IN PLAYBACK MODE
IC5001 AN3355FHP (REC/PLAY HEAD AMP)
Q5003 2SA812 (ROTARY ERASE DRIVE)
Q5001 XN4504 (HEAD SW)
Q5002 XN4504 (HEAD SW)
IC4001 μPC4572G2
Q4003 2SB12 9
Q4009 2SD2216
Q4006 2SD2206 (AMP)
Q4015 2SD2216 (MUTE)
Q4014 2SB1462 (MUTE)
Q4019 2SD2216
Q4017 2SD1325
Q4012 2SD2216
Q4018 2SD1328
Q4016 2SD2216
DR4008 UN9213
DR5504 UN9213
IC5001-47 PLAY 0.3Vp-p (5msec/div.) COLOUR BAR
IC5001-1 PLAY 0.6Vp-p (5msec/div.) COLOUR BAR
IC5001-8 REC/PLAY 3.0Vp-p (10msec/div.)
FP4002 (TO FRONT FPC/Page:3-54, 57)
FP3001 (TO TEST)
FP5001 (TO CD CYLINDER)
TO LENS DRIVE/Page:1-22
TO CHASSIS
TO SYSTEM CTL & SERVO/Page:3-35
TO PROCESS/Page:3-25
(REG 4.8V)
A-LINE
12
13
14
15
16
17
18
19
20
21

3-16 MAIN [Sensor, Process, Lens Drive, Power, System Control & Servo, Sub Servo, Luminance/Chrominance/Audio Section] C.B.A.

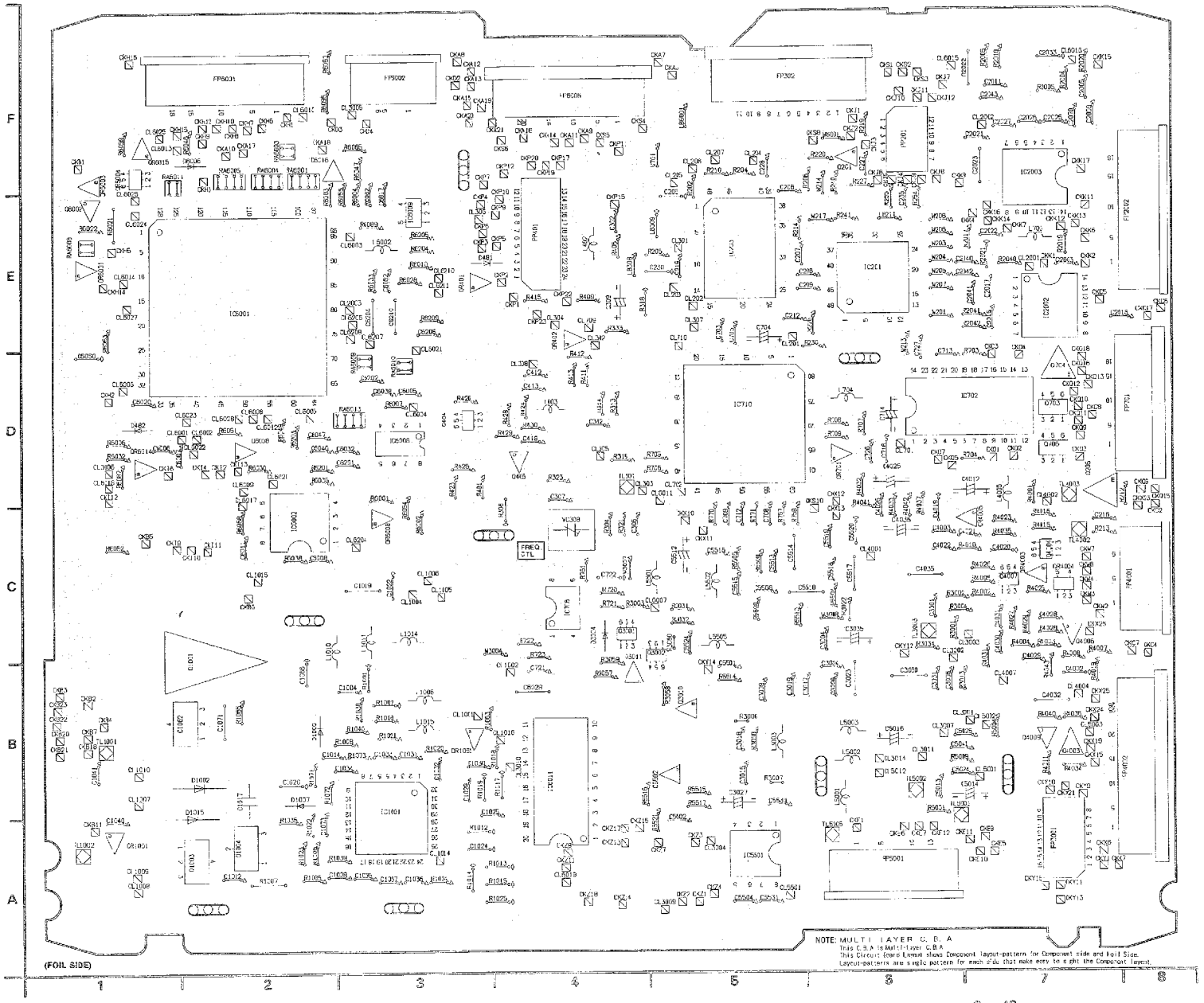
COMPONENT SIDE


(COMPONENT SIDE)
NOTE: MULTI LAYER C. B. A
This C.B.A is Multi-Layer C.B.A
This Circuit Board Layout shows Component layout-pattern for Component side and Foil Side.
Layout-patterns are single pattern for each side that take easy to sight the Component layout.
(NV-RX9,10 ONLY)
(NV-RX19,20 ONLY)
(NV-RX19,20 ONLY)
(NV-RX19,20 ONLY)

Back Page:
LUMI/CHRO/AUDIO Section

(VEP23243A: NV-RX19, 20) (VEP23243B: NV-RX9, 10)

FOIL SIDE


NOTE: MULTI LAYER C. B. A
This C.B.A is Multi-Layer C.B.A
This Circuit board Layout shows Component layout-pattern for Component side and foil Side.
Layout-patterns are a right pattern for each side that make easy to see the Component layout.
(FOIL SIDE)

MAIN C.B.A. ADDRESS INFORMATION

MAIN C.B.A.

Integrated Circuit

IC201	E-6	(F)
IC202	E-2	(C)
IC203	E-5	(F)
IC205	F-3	(C)
IC301	D-4	(C)
IC302	E-4	(C)
IC701	D-2	(C)
IC702	D-6	(F)
IC706	C-4	(F)
IC710	D-5	(F)
IC711	D-3	(C)
IC1001	B-3	(F)
IC2001	F-1	(C)
IC2002	E-7	(F)
IC2003	F-7	(F)
IC3001	C-3	(C)
IC4001	B-1	(C)
IC5001	B-2	(C)
IC5501	A-5	(F)
IC6001	E-2	(F)
IC6002	C-2	(F)
IC6003	E-5	(C)
IC6004	F-7	(C)
IC6005	F-7	(C)
IC6006	F-6	(C)
IC6008	D-3	(F)
IC6009	E-3	(F)
IC6011	B-4	(F)
IC6012	D-6	(C)

Transistor

Q201	F-6	(F)
Q203	F-4	(C)
Q205	E-4	(C)
Q206	D-7	(F)
Q404	D-2	(F)
Q405	D-4	(F)
Q701	D-1	(C)
Q702	D-1	(C)
Q703	D-7	(F)
Q704	D-7	(F)
Q705	D-3	(C)
Q706	D-7	(F)
Q1001	B-2	(F)
Q1003	A-2	(F)
Q1004	A-2	(F)
Q1062	B-1	(F)
Q3001	C-4	(F)
Q3002	C-5	(F)
Q3010	B-5	(F)
Q3011	B-4	(F)
Q4002	C-2	(C)
Q4003	B-7	(F)
Q4004	C-7	(F)
Q4006	C-7	(F)
Q4007	C-7	(F)
Q4009	B-7	(F)
Q4012	B-2	(C)
Q4014	A-1	(C)
Q4015	A-1	(C)
Q4016	B-1	(C)
Q4017	A-1	(C)
Q4018	B-1	(C)
Q4019	B-1	(C)
Q5001	A-2	(C)
Q5002	A-2	(C)
Q5003	A-3	(F)
Q5502	B-5	(F)
Q6002	E-1	(F)
Q6005	E-7	(C)
Q6006	F-7	(C)
Q6007	A-5	(C)
Q6008	D-2	(F)
Q8201	D-6	(C)

Transistor & Resistor

QR401	E-3	(F)
QR402	E-4	(F)
QR701	D-6	(F)
QR1001	A-1	(F)
QR1061	B-3	(F)
QR2002	F-2	(C)
QR3001	B-4	(C)
QR4003	C-7	(F)
QR4004	C-7	(F)
QR4005	C-7	(F)
QR4008	B-2	(C)
QR5502	A-4	(C)
QR5503	A-4	(C)
QR5504	A-4	(C)
QR6001	E-1	(F)
QR6002		
QR6003	F-1	(F)
QR6004	F-1	(F)
QR6006	D-6	(C)
QR6007	E-7	(C)
QR6008	C-3	(F)
QR6012	E-7	(C)
QR6014	D-1	(F)
QR6015	F-1	(F)
QR6050	E-7	(C)

Diode

D202	F-2	(C)
D203	F-2	(C)
D204	F-2	(C)
D481	E-3	(F)
D482	D-1	(F)
D1002	B-2	(F)
D1006	B-2	(F)
D1007	B-2	(F)
D1015	A-2	(F)
D3004	C-4	(F)
D4004	A-1	(C)
D6001	F-5	(C)
D6002	F-5	(C)
D6003	F-4	(C)
D6006	F-2	(F)
D6007	C-6	(C)
D6008	F-4	(C)
D6009	A-5	(C)
D601C	B-5	(C)
D601E	F-2	(F)
D6201	F-6	(C)

Transformer

T1001	B-6	(C)
T1002	B-7	(C)
T4001	C-1	(C)

Test Point

CL201	E-5	(F)
CL202	E-5	(F)
CL203	E-5	(F)
CL204	F-5	(F)
CL205	F-5	(F)
CL206	F-5	(F)
CL207	F-5	(F)
CL301	E-5	(C)
CL302	E-4	(C)
CL303	D-4	(F)
CL304	E-4	(F)
CL305	D-4	(F)
CL306	E-5	(F)
CL307	E-5	(F)
CL308	D-4	(C)
CL701	D-5	(F)
CL702	D-5	(F)
CL709	E-4	(F)
CL710	E-5	(C)
CL1001	B-3	(F)
CL1002	B-3	(F)
CL1004	C-3	(F)
CL1005	C-3	(F)
CL1006	C-3	(F)
CL1007	B-1	(F)
CL1008	A-1	(F)
CL1009	A-1	(F)
CL1010	B-1	(F)
CL1014	A-3	(F)
CL1015	C-2	(F)
CL1016	B-4	(F)
CL2001	E-7	(F)
CL2002	E-7	(F)
CL2003	E-3	(F)
CL3001	B-7	(F)
CL3002	C-6	(F)
CL3003	C-7	(F)
CL3004	A-5	(F)
CL3005	F-3	(F)
CL3006	D-1	(F)
CL3007	B-6	(F)
CL3009	A-5	(F)
CL3010	B-4	(F)
CL5011	B-6	(F)
CL5014	B-6	(F)
CL4001	C-6	(F)
CL4002	D-7	(F)
CL4004	B-7	(F)
CL4007	B-7	(F)
CL5001	B-7	(F)
CL5002	B-7	(F)
CL5003	B-7	(F)
CL5012	B-6	(F)
CL5501	A-5	(F)
CL6001	D-1	(F)
CL6002	D-2	(F)
CL6003	E-3	(F)
CL6004	D-3	(F)
CL6005	D-2	(F)
CL6006	D-1	(F)
CL6007	C-5	(F)
CL6008	D-2	(F)
CL6009	D-2	(F)
CL6010	F-2	(F)
CL6011	D-5	(F)
CL6012	D-2	(F)
CL6013	F-1	(F)
CL6014	E-1	(F)
CL6015	F-6	(F)
CL6016	F-7	(F)
CL6017	D-2	(F)
CL6018	D-1	(F)
CL6019	A-4	(F)
CL6020	D-2	(F)
CL6021	D-3	(F)
CL6022	D-2	(F)
CL6023	D-2	(F)
CL6024	E-1	(F)
CL6025	F-1	(F)
CL6026	E-1	(F)
CL6027	E-1	(F)
CL6028	D-2	(F)
CL6204	C-3	(F)
CL6206	E-3	(F)
CL6207	E-3	(F)
CL6208	E-3	(F)
CL6210	E-3	(F)
CL6211	E-3	(F)
TL1001	B-1	(F)
TL1002	A-1	(F)
TL3003	C-6	(F)
TL4002	C-7	(F)
TL4003	D-7	(F)
TL5001	B-6	(F)
TL5002	B-6	(F)
TL5005	A-6	(F)

Adjustment

VC303	C-4	(F)

Connector

FP302	F-5	(F)
FP701	D-8	(F)
FP2001	C-1	(C)
FP2002	E-8	(F)
FP4001	C-8	(F)
FP4002	B-8	(F)
FP5C1	A-6	(F)
FP5D1	F-2	(F)
FP6C2	F-3	(F)
FP6D6	F-4	(F)
PP201	F-5	(F)
PP401	E-4	(F)
PP3C1	A-7	(F)
PS1D1	B-8	(C)

Crystal Oscillator

X301	C-4	(C)
X701	D-3	(C)
X5501	D-3	(C)
X6001	D-7	(C)
X6002	D-7	(C)
X6003	B-4	(C)

Coil

L201	F-4	(C)
L202	F-3	(C)
L203	E-3	(C)
L204	F-3	(C)
L205	F-4	(C)
L206	E-2	(C)
L208	F-3	(C)
L212	E-3	(C)
L402	E-4	(C)
L403	D-4	(F)
L404	D-5	(C)
L701	E-3	(C)
L702	E-2	(C)
L703	E-7	(F)
L704	D-6	(F)
L705	F-3	(C)
L708	F-3	(C)
L1001	A-7	(C)
L1002	B-6	(C)
L1003	B-6	(C)
L1004	B-6	(C)
L1006	B-3	(F)
L1007	A-7	(C)
L1008	A-6	(C)
L1010	C-2	(F)
L1011	C-3	(F)
L1014	C-3	(F)
L1015	B-3	(F)
L1062	B-7	(C)
L3002	B-5	(C)
L3003	B-5	(F)
L3021	B-4	(C)
L4005	D-7	(F)
L5001	B-6	(F)
L5002	B-6	(F)
L5003	B-6	(F)
L5004	B-3	(C)
L5531	C-5	(F)
L5532	C-5	(F)
L5533	C-3	(C)
L5534	A-4	(C)
L5535	C-5	(F)
L5536	A-3	(C)
L5598	C-4	(C)
L6002	E-3	(F)
LB211	E-6	(F)
LB213	E-3	(C)
LB301	D-6	(C)
LB307	C-4	(C)
LB308	E-4	(C)
LB309	E-5	(F)
LB6001	F-5	(F)

Capacitor

C201	F-3	(C)
C202	E-3	(C)
C203	F-3	(C)
C204	F-3	(C)
C205	E-5	(F)
C206	E-5	(C)
C207	E-5	(F)
C208	E-6	(F)
C209	E-6	(F)
C210	E-3	(C)
C211	E-3	(C)
C212	E-5	(F)
C213	E-3	(C)
C214	E-3	(C)
C216	C-7	(F)
C218	E-3	(C)
C219	E-5	(F)
C220	E-3	(C)
C221	F-2	(C)
C222	E-3	(C)
C223	F-3	(C)
C224	E-2	(C)
C225	F-3	(C)
C226	F-2	(C)
C227	F-6	(F)
C228	F-5	(F)
C229	E-2	(C)
C230	E-5	(F)
C231	F-2	(C)
C232	F-2	(C)
C235	E-6	(F)
C236	E-3	(C)
C238	E-3	(C)
C239	E-5	(C)
C243	D-1	(C)
C244	F-4	(C)
C301	D-4	(C)
C302	E-4	(F)
C304	F-5	(C)
C306	C-4	(F)
C307	D-4	(F)
C309	E-4	(F)
C310	D-4	(C)
C311	F-4	(C)
C312	D-4	(F)
C321	D-4	(C)
C322	E-5	(C)
C403	E-5	(C)
C405	D-5	(C)
C406	F-5	(C)
C407	E-5	(C)
C408	D-5	(C)
C409	D-6	(C)
C410	E-5	(C)
C411	E-5	(C)
C412	D-4	(F)
C413	D-4	(F)
C414	E-5	(C)
C415	E-6	(C)
C416	D-5	(C)
C417	D-5	(C)
C418	D-4	(F)
C701	D-2	(C)
C703	E-5	(F)
C704	E-5	(F)
C705	E-5	(F)
C706	F-3	(C)
C707	F-3	(C)
C708	C-5	(F)
C709	C-5	(F)
C711	D-3	(C)
C712	C-5	(F)
C713	D-6	(F)
C714	D-6	(F)
C715	D-3	(C)
C716	D-6	(F)
C718	D-2	(C)
C719	C-5	(C)
C720	C-5	(C)
C721	B-4	(F)
C722	C-4	(F)
C724	D-2	(C)
C726	D-6	(F)
C727	D-6	(F)
C1002	B-7	(C)
C1003	B-6	(C)
C1004	B-3	(F)
C1005	C-5	(C)
C1008	A-6	(C)
C1009	A-2	(F)
C1010	B-5	(C)
C1012	A-2	(F)
C1014	B-2	(F)
C1017	B-2	(F)
C1019	C-3	(F)
C1020	B-2	(F)
C1022	C-3	(F)
C1024	A-3	(F)
C1025	A-3	(C)
C1026	A-5	(C)
C1027	A-5	(C)
C1028	B-5	(C)
C1029	B-3	(F)
C1030	B-3	(F)
C1031	B-3	(F)
C1032	B-3	(F)
C1033	B-3	(F)
C1034	B-3	(F)
C1035	A-3	(F)
C1036	A-3	(F)
C1037	A-3	(F)
C1040	A-1	(F)
C1041	B-1	(F)
C1051	B-5	(C)
C1055	B-6	(C)
C1057	C-5	(C)
C1064	C-6	(C)
C1066	B-2	(F)
C1071	B-2	(F)
C1073	A-5	(F)
C1080	B-6	(C)
C1081	A-6	(C)
C1112	B-7	(C)
C2001	E-1	(C)
C2002	E-1	(C)
C2003	E-7	(F)
C2004	F-1	(C)
C2005	F-7	(F)
C2007	E-1	(C)
C2009	F-7	(F)
C2010	F-1	(C)
C2011	F-7	(F)
C2012	F-1	(C)
C2013	F-1	(C)
C2014	E-1	(C)
C2015	E-7	(F)
C2016	E-8	(F)
C2017	E-7	(F)
C2018	E-2	(C)
C2020	F-2	(C)
C2021	F-7	(F)
C2022	E-7	(F)
C2023	F-7	(F)
C2025	F-7	(F)
C2026	F-7	(F)
C2027	F-7	(F)
C2028	E-2	(C)
C2029	F-1	(C)
C2033	F-7	(F)
C2040	E-7	(F)
C2041	E-7	(F)
C2042	E-7	(F)
C2043	F-7	(F)
C2070	F-7	(F)
C3001	C-6	(C)
C3004	C-6	(F)
C3005	C-4	(C)
C3006	B-6	(C)
C3008	B-3	(C)
C3009	B-5	(F)
C3010	C-3	(C)
C3016	B-5	(F)
C3017	B-6	(F)
C3018	B-5	(F)
C3019	B-5	(F)
C3020	A-3	(C)
C3022	A-3	(C)
C3023	B-6	(F)
C3024	B-6	(F)
C3026	B-6	(F)
C3027	B-5	(F)
C3028	B-4	(C)
C3029	C-5	(C)
C3030	B-6	(F)
C3031	B-5	(F)
C3032	B-4	(C)
C3033	B-4	(C)
C3035	C-6	(F)
C4001	D-2	(C)
C4002	B-7	(F)
C4003	C-6	(F)
C4005	C-1	(C)
C4011	C-2	(C)
C4012	D-7	(F)
C4014	C-1	(C)
C4015	C-1	(C)
C4016	C-1	(C)
C4017	C-1	(C)
C4019	C-6	(F)
C4020	C-7	(F)
C4021	C-7	(F)
C4022	C-6	(F)
C4023	D-2	(C)
C4024	D-2	(C)
C4025	D-6	(F)
C4026	C-6	(F)
C4027	C-2	(C)
C4028	C-7	(F)
C4029	B-7	(F)
C4030	C-7	(F)
C4031	C-7	(F)
C4032	B-7	(F)
C4033	C-2	(C)
C4034	C-2	(C)
C4035	C-6	(F)
C4036	C-6	(F)
C4038	B-1	(F)
C4040	C-2	(C)
C4045	B-1	(C)
C4046	A-1	(C)
C4047	B-1	(C)
C4048	B-1	(C)
C4049	B-1	(C)
C4050	B-1	(C)
C4051	B-1	(C)
C5001	A-2	(C)
C5002	A-2	(C)
C5003	A-2	(C)
C5004	A-2	(C)
C5005	A-2	(C)
C5006	A-2	(C)
C5007	A-2	(C)
C5008	A-2	(C)
C5009	A-3	(C)
C5010	A-2	(C)
C5011	B-2	(C)
C5012	A-3	(C)
C5013	B-3	(F)
C5014	B-7	(F)
C5016	B-5	(F)
C5017	B-2	(C)
C5018	B-3	(C)
C5019	B-2	(C)
C5020	B-2	(C)
C5021	B-3	(C)
C5022	A-3	(C)
C5023	B-2	(C)
C5024	B-5	(F)
C5025	B-7	(F)
C5041	B-5	(F)
C5501	B-5	(F)
C5502	A-5	(F)
C5503	C-4	(C)
C5504	A-5	(F)
C5505	C-4	(C)
C5506	A-5	(C)
C5507	B-4	(C)
C5508	C-5	(F)
C5509	A-5	(C)
C5510	C-6	(F)
C5511	C-4	(C)
C5512	C-5	(F)
C5513	C-5	(F)
C5514	C-5	(F)
C5515	C-5	(F)
C5516	C-5	(F)
C5517	C-6	(F)
C5518	C-6	(F)
C5519	C-6	(F)
C5520	C-6	(F)
C5523	A-4	(C)
C5524	C-5	(F)
C5526	C-3	(C)
C5527	C-3	(C)
C5530	B-5	(F)
C5531	A-5	(F)
C5533	B-4	(C)
C6001	F-7	(C)
C6002	F-7	(C)
C6003	F-7	(C)
C6004	F-6	(C)
C6005	D-3	(F)
C6006	D-1	(F)
C6007	D-1	(F)
C6008	C-2	(F)
C6009	F-7	(C)
C6011	C-2	(F)
C6012	D-7	(C)
C6013	D-7	(C)
C6014	E-6	(C)
C6015	F-6	(C)
C6017	E-3	(F)
C6020	D-1	(F)
C6025	F-6	(C)
C6027	E-7	(C)
C6029	B-4	(F)
C6030	E-7	(C)
C6031	D-7	(C)
C6032	D-3	(F)
C6033	B-5	(C)
C6034	B-4	(C)
C6035	A-4	(C)
C6036	F-7	(C)
C6038	D-3	(F)
C6039	F-6	(C)
C6040	F-6	(C)
C6042	B-5	(C)
C6046	D-2	(C)
C6047	D-2	(C)
C6048	D-6	(C)
C6049	E-7	(C)
C6050	E-7	(C)
C6051	E-7	(C)
C6052	E-3	(F)
C6060	D-1	(C)
C6061	C-7	(C)
C6100	B-5	(C)
C6201	D-3	(F)
C6202	D-3	(F)
C6203	E-6	(C)
C6204	E-3	(F)
C6205	E-6	(C)
C6208	E-6	(C)
C6207	E-6	(C)
C6208	E-3	(F)
C6209	E-6	(C)
C6210	E-3	(F)

Resistor

R202	E-5	(F)
R203	F-2	(C)
R204	F-5	(F)
R205	E-5	(F)
R206	F-6	(C)
R207	E-4	(C)
R208	E-4	(C)
R209	D-3	(C)
R210	F-5	(F)
R211	E-3	(C)
R212	D-8	(F)
R213	C-7	(F)
R214	E-5	(F)
R215	F-3	(C)
R216	F-2	(C)
R217	F-3	(C)
R218	E-3	(C)
R219	F-6	(F)
R220	F-6	(F)
R221	F-3	(C)
R224	E-3	(C)
R225	E-3	(C)
R226	E-6	(F)
R227	F-6	(F)
R228	F-3	(C)
R229	E-3	(C)
R233	E-3	(C)
R234	E-3	(C)
R235	F-4	(C)
R236	E-4	(C)
R239	F-4	(C)
R240	F-6	(F)
R241	E-6	(F)
R242	E-4	(C)
R243	E-3	(C)
R244	E-4	(C)
R245	E-4	(C)
R246	E-3	(C)
R249	E-4	(C)
R250	E-3	(C)
R251	E-4	(C)
R254	F-3	(F)
R255	E-5	(F)
R301	F-4	(C)
R302	F-4	(C)
R303	F-5	(C)
R304	C-4	(F)
R305	E-4	(C)
R306	C-4	(F)
R307	E-5	(C)
R308	D-4	(C)
R310	E-4	(C)
R312	E-4	(C)
R313	D-4	(F)
R314	D-4	(F)
R315	D-4	(F)
R318	E-4	(F)
R320	D-4	(C)
R321	C-4	(F)
R323	D-4	(F)
R335	E-4	(C)
R327	D-4	(C)
R333	E-4	(F)
R336	E-4	(C)
R337	E-5	(C)
R406	E-4	(F)
R409	E-4	(F)
R4:1	D-4	(F)
R4:2	D-4	(F)
R4:3	D-4	(F)
R4:5	E-4	(F)
R4:7	D-5	(C)
R4:8	D-5	(C)
R4:9	D-5	(C)
R420	D-5	(C)
R423	D-3	(F)
R424	D-4	(F)
R425	D-3	(F)
R426	D-3	(F)
R428	D-4	(F)
R429	D-4	(F)
R430	D-4	(F)
R461	D-3	(F)
R701	D-2	(C)
R702	D-2	(C)
R703	D-7	(F)
R704	D-7	(F)
R705	D-5	(F)
R706	D-5	(F)
R707	D-6	(F)
R708	D-6	(F)
R709	D-6	(F)
R713	E-4	(C)
R716	C-4	(C)
R717	C-4	(C)
R718	C-5	(C)
R719	C-4	(C)
R720	C-4	(C)
R721	C-4	(C)
R722	C-4	(C)
R723	C-4	(C)
R724	D-3	(C)
R725	D-3	(C)
R726	D-3	(C)
R727	D-3	(C)
R728	D-3	(C)
R729	D-3	(C)
R730	D-3	(C)
R732	D-3	(C)
R733	D-4	(C)
R734	D-3	(C)
R736	D-3	(C)
R738	D-4	(C)
R737	D-4	(C)
R738	D-4	(C)
R749	D-4	(C)
R757	C-5	(F)
R758	C-5	(F)
R76	C-4	(F)
R770	C-5	(F)
R77	C-5	(F)
R1001	B-3	(F)
R1002	B-3	(F)
R1005	A-2	(F)
R1006	A-2	(F)
R1007	A-2	(F)
R1008	B-3	(F)
R1009	B-3	(F)
R1012	A-3	(F)
R1013	A-4	(F)
R1014	A-3	(F)
R1015	A-4	(F)
R1016	A-5	(C)
R1017	B-4	(F)
R1018	B-4	(F)
R1019	B-3	(F)
R1020	B-3	(F)
R1021	B-3	(F)
R1022	A-2	(F)
R1023	A-2	(F)
R1024	A-3	(F)
R1025	A-4	(C)
R1035	A-2	(F)
R1038	B-3	(F)
R1039	A-2	(F)
R1040	B-3	(F)
R1051	B-5	(C)
R1052	B-5	(C)
R1063	B-3	(F)
R1065	B-2	(F)
R1071	B-2	(F)
R1072	B-2	(F)
R1073	B-3	(F)
R1080	B-7	(C)
R1085	B-5	(C)
R1086	B-6	(C)
R2001	E-1	(C)
R2002	F-1	(C)
R2003	F-1	(C)
R2004	F-7	(F)
R2005	F-7	(F)
R2006	F-7	(F)
R2007	E-1	(C)
R2008	E-1	(C)
R2009	F-1	(C)
R2010	F-7	(F)
R2012	F-2	(C)
R2015	F-2	(C)
R2016	F-2	(C)
R2017	E-7	(F)
R2018	E-2	(C)
R2019	E-7	(F)
R2020	F-7	(F)
R2021	E-7	(F)
R2022	F-7	(F)
R2024	F-2	(C)
R2040	E-7	(F)
R2041	E-7	(F)
R2042	E-7	(F)
R3001	C-6	(F)
R3002	C-6	(F)
R3004	C-6	(F)
R3005	B-4	(C)
R3006	B-5	(C)
R3007	B-5	(F)
R3008	B-5	(F)
R3009	B-3	(C)
R3010	B-3	(C)
R3013	B-7	(F)
R3017	A-4	(C)
R3018	B-4	(C)
R3020	B-3	(C)
R3022	C-6	(F)
R3023	D-2	(C)
R3025	B-3	(C)
R3026	B-3	(C)
R3031	C-5	(F)
R3032	C-5	(F)
R3034	C-6	(F)
R3057	E-4	(C)
R3058	B-5	(F)
R3059	B-4	(F)
R3060	C-5	(F)
R3063	C-4	(F)
R4001	D-7	(C)
R4002	C-7	(F)
R4003	C-7	(F)
R4004	C-7	(F)
R4005	C-7	(F)
R4006	D-2	(C)
R4007	C-7	(F)
R4008	C-7	(F)
R4009	C-1	(C)
R4010	C-7	(F)
R4011	B-7	(F)
R4012	C-1	(C)
R4013	C-1	(C)
R4014	C-1	(C)
R4015	C-7	(F)
R4016	C-7	(F)
R4019	B-7	(F)
R4023	C-7	(F)
R4025	C-7	(F)
R4026	C-7	(F)
R4027	C-7	(F)
R4028	C-7	(F)
R4029	C-7	(F)
R4030	B-2	(C)
R4031	B-7	(F)
R4032	D-6	(F)
R4033	C-6	(C)
R4034	B-7	(F)
R4035	C-7	(F)
R4036	B-7	(F)
R4037	C-6	(F)
R4038	C-1	(C)
R4039	C-2	(C)
R4040	B-7	(F)
R4041	C-6	(F)
R4042	C-6	(F)
R4043	B-7	(F)
R4044	C-2	(C)
R4045	B-2	(C)
R4052	B-2	(C)
R4053	A-1	(C)
R4054	B-2	(C)
R4060	A-1	(C)
R4061	A-1	(C)
R4062	B-1	(C)
R4063	B-1	(C)
R4064	A-1	(C)
R4065	A-1	(C)
R4066	A-1	(C)
R4067	A-1	(C)
R4068	A-1	(C)
R4069	B-1	(C)
R4070	B-1	(C)
R4071	B-1	(C)
R4072	B-1	(C)
R4073	B-1	(C)
R4074	B-1	(C)
R4075	B-1	(C)
R5001	B-6	(C)
R5002	A-3	(C)
R5003	A-2	(C)
R5004	B-7	(C)
R5005	A-3	(C)
R5007	A-3	(C)
R5008	A-3	(C)
R5009	B-6	(C)
R5052	E-7	(C)
R5500	C-5	(F)
R5501	C-4	(C)
R5504	C-6	(F)
R5505	C-5	(F)
R5508	C-5	(F)
R5509	A-4	(C)
R5510	C-5	(F)
R5513	C-4	(C)
R5514	B-6	(C)
R5515	B-5	(F)
R5516	B-4	(F)
R5517	B-5	(C)
R5520	A-3	(C)
R5521	A-5	(F)
R6001	F-6	(C)
R6002	C-3	(F)
R6003	E-2	(C)
R6004	E-3	(F)
R6006	C-7	(F)
R6007	D-3	(C)
R6008	D-1	(F)
R6009	D-6	(C)
R6010	E-3	(C)
R6011	F-4	(C)
R6013	F-6	(C)
R6014	F-6	(C)
R6015	F-6	(C)
R6016	F-5	(C)
R6018	F-5	(C)

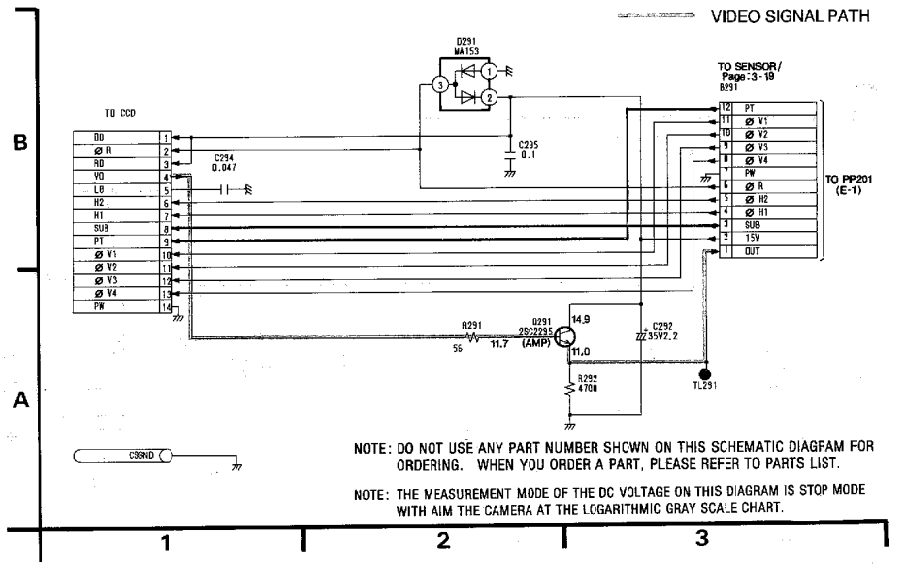
ADDRESS INFORMATION (C)... COMPONENT SIDE (F)... FOIL SIDE

Back Page:
MAIN C.B.A. Section

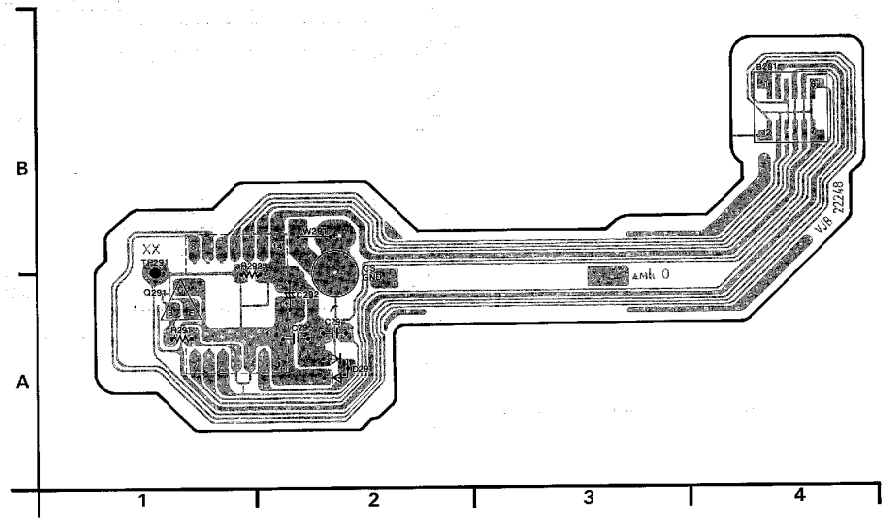
R6020	A-5	©	**Wire**		
R6021	E-1	Ⓕ	W201	E-6	Ⓕ
R6022	E-1	Ⓕ	W203	E-6	Ⓕ
R6023	F-6	©	W204	E-6	Ⓕ
R6024	E-7	©	W205	E-6	Ⓕ
R6026	E-6	©	W206	E-6	Ⓕ
R6027	F-5	©	W207	E-6	Ⓕ
R6028	E-3	Ⓕ	W208	E-6	Ⓕ
R6029	D-6	©	W213	D-6	Ⓕ
R6030	D-2	Ⓕ	W214	F-6	Ⓕ
R6032	D-1	Ⓕ	W217	E-6	Ⓕ
R6033	E-3	Ⓕ	W302	E-4	©
R6034	F-5	©	W303	E-4	©
R6035	D-2	Ⓕ	W304	C-5	©
R6037	D-7	©	W305	C-4	©
R6038	C-2	Ⓕ	W306	E-4	©
R6039	C-7	©	W701	F-5	Ⓕ
R6040	E-6	©	W3004	C-3	Ⓕ
R6042	E-5	©	W3007	C-4	Ⓕ
R6043	E-5	©	W3008	C-6	Ⓕ
R6044	E-6	©	W6001	F-6	Ⓕ
R6045	E-6	©			
R6046	F-2	Ⓕ			
R6047	F-3	Ⓕ			
R6048	E-5	©			
R6049	D-2	Ⓕ			
R6050	F-2	Ⓕ			
R6051	D-2	Ⓕ			
R6052	C-1	Ⓕ			
R6053	E-1	Ⓕ			
R6054	C-3	Ⓕ			
R6055	E-7	©			
R6056	E-3	Ⓕ			
R6057	D-6	©			
R6058	C-2	Ⓕ			
R6059	F-1	Ⓕ			
R6061	D-3	Ⓕ			
R6062	D-6	©			
R6063	E-7	©			
R6064	E-7	©			
R6065	F-3	Ⓕ			
R6067	F-8	©			
R6068	F-7	©			
R6069	F-7	©			
R6080	E-6	©			
R6082	E-3	Ⓕ			
R6085	E-7	©			
R6086	E-7	©			
R6087					
R6089	E-3	Ⓕ			
R6091	B-5	©			
R6095	F-2	Ⓕ			
R6097	B-5	©			
R6098	B-4	©			
R6099	A-4	©			
R6100	A-5	©			
R6113	D-6	©			
R6114	F-6	©			
R6201	D-2	Ⓕ			
R6202	D-6	©			
R6203	D-2	Ⓕ			
R6204	E-3	Ⓕ			
R6205	E-3	Ⓕ			
R6206	E-6	©			
R6207	D-6	©			
R6208	E-6	©			
R6209	E-3	Ⓕ			
R6210	D-6	©			
R6211	F-7	©			
Resistor Array					
RA6001	F-2	Ⓕ			
RA6002	F-5	©			
RA6003	F-2	Ⓕ			
RA6004	F-2	Ⓕ			
RA6005	F-2	Ⓕ			
RA6006	F-5	©			
RA6008	E-1	Ⓕ			
RA6009	D-3	Ⓕ			
RA6010	D-3	Ⓕ			
RA6011	F-1	Ⓕ			
RA6013	D-3	Ⓕ			
RA6014	F-6	©			
RA6015	D-6	©			

R6020	A-5	C	Wire		
R6021	E-1	F	W2C1	E-6	F
R6022	E-1	F	W2C3	E-6	F
R6023	F-6	C	W2C4	E-6	F
R6024	E-7	C	W2C5	E-6	F
R6026	E-6	C	W2C6	E-6	F
R6027	F-5	C	W2C7	E-6	F
R6028	E-3	F	W2C8	E-6	F
R6029	D-6	C	W213	D-6	F
R6030	D-2	F	W214	F-6	F
R6032	D-1	F	W217	E-6	F
R6033	E-3	F	W3C2	E-4	C
R6034	F-5	C	W3C3	E-4	C
R6035	D-2	F	W3C4	C-5	C
R6037	D-7	C	W3C5	C-4	C
R6038	C-2	F	W3C6	E-4	C
R6039	C-7	C	W7C1	F-5	F
R6040	E-6	C	W3C04	C-3	F
R6042	E-6	C	W3C07	C-4	F
R6043	E-6	C	W3C08	C-6	F
R6044	E-6	C	W6C01	F-6	F
R6045	E-6	C			
R6046	F-2	F			
R6047	F-3	F			
R6048	E-6	C			
R6049	D-2	F			
R6050	F-2	F			
R6051	D-2	F			
R6052	C-1	F			
R6053	E-1	F			
R6054	C-3	F			
R6055	E-7	C			
R6056	E-3	F			
R6057	D-6	C			
R6058	C-2	F			
R6059	F-1	F			
R6061	D-3	F			
R6062	D-6	C			
R6063	E-7	C			
R6064	E-7	C			
R6065	F-3	F			
R6067	F-8	C			
R6068	F-7	C			
R6069	F-7	C			
R6080	E-6	C			
R6082	E-3	F			
R6085	E-7	C			
R6086	E-7	C			
R6087					
R6089	E-3	F			
R6091	B-5	C			
R6095	F-2	F			
R6097	B-5	C			
R6098	B-4	C			
R6099	A-4	C			
R6100	A-5	C			
R6113	D-6	C			
R6114	F-6	C			
R6201	D-2	F			
R6202	D-6	C			
R6203	D-2	F			
R6204	E-3	F			
R6205	E-3	F			
R6206	E-6	C			
R6207	D-6	C			
R6208	E-6	C			
R6209	E-3	F			
R6210	D-6	C			
R6211	F-7	C			
Resistor Array					
RA6001	F-2	F			
RA6002	F-5	C			
RA6003	F-2	F			
RA6004	F-2	F			
RA6005	F-2	F			
RA6006	F-5	C			
RA6008	E-1	F			
RA6009	D-3	F			
RA6010	D-3	F			
RA6011	F-1	F			
RA6013	D-3	F			
RA6014	F-6	C			
RA6015	D-6	C			

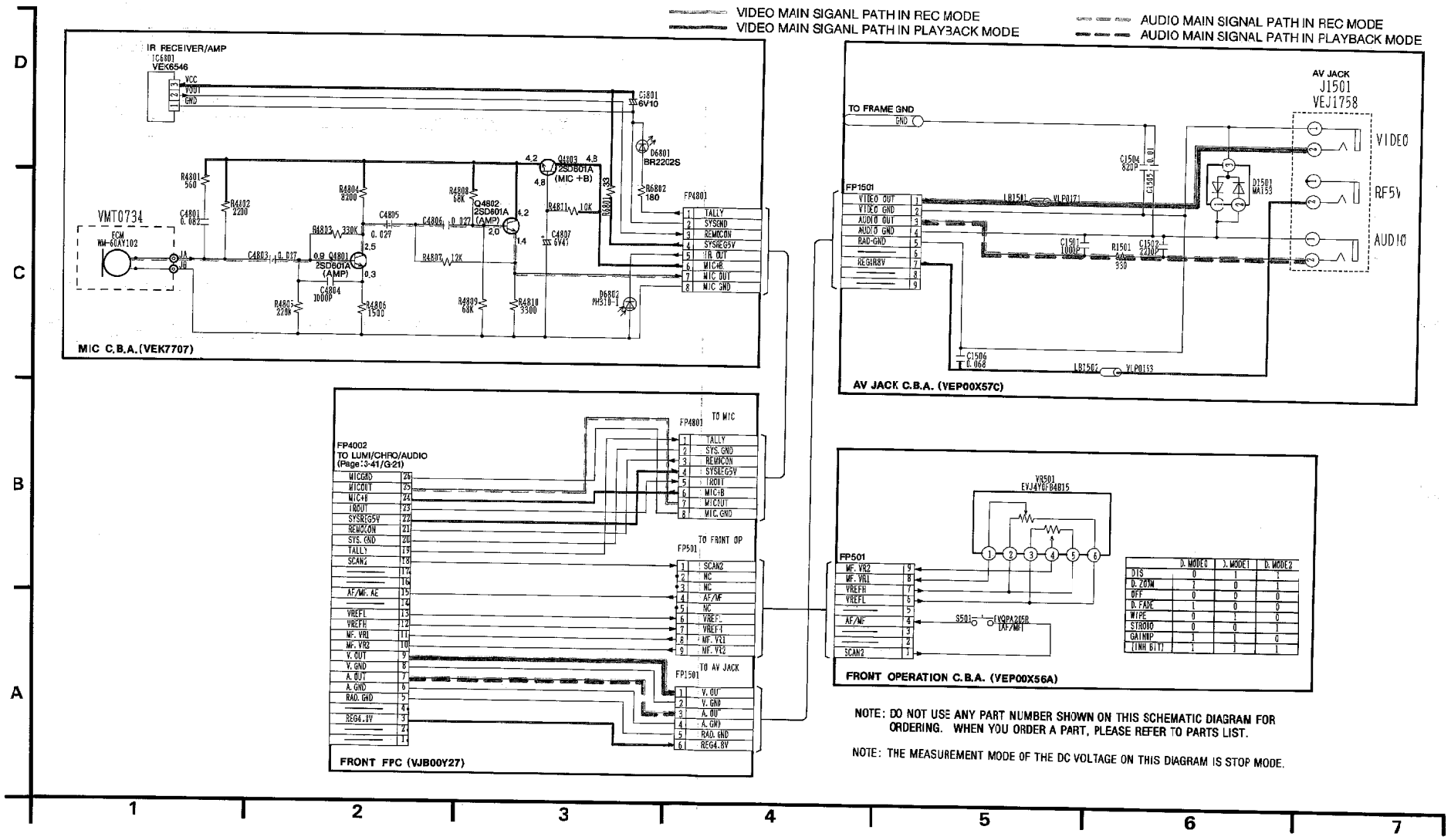
3-17. CCD FLEXIBLE CARD SCHEMATIC DIAGRAM



3-18. CCD FLEXIBLE CARD C.B.A (VEP22248A)

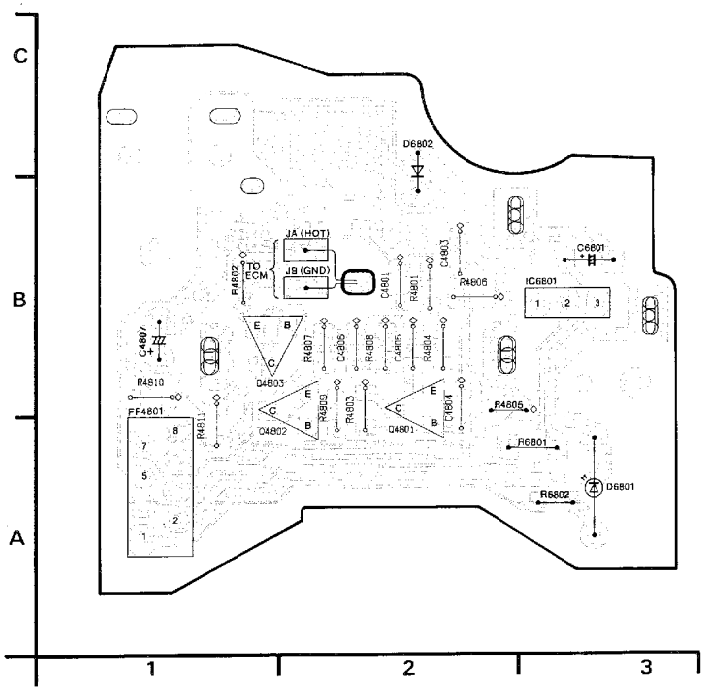


3-19. MIC, AV JACK, FRONT OPERATION, FRONT FLEXIBLE CARD SCHEMATIC DIAGRAM (NV-RX19, 20)

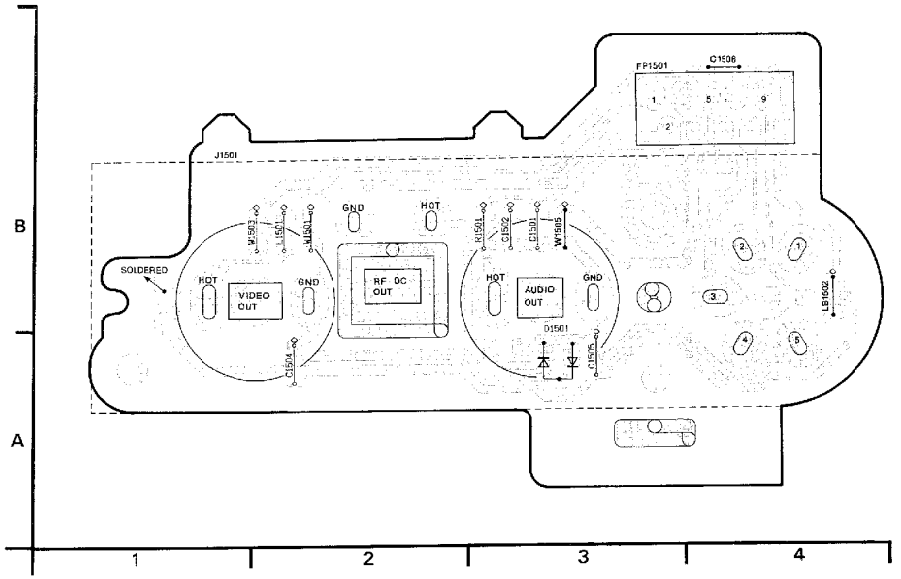

VIDEO MAIN SIGANL PATH IN REC MODE
VIDEO MAIN SIGANL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
IR RECEIVER/AMP
IC6801
VEK6546
MIC C.B.A.(VEK7707)
AV JACK
J1501
VEJ1758
VIDEO
RF5V
AUDIO
TO FRAME GND
AV JACK C.B.A. (VEP00X57C)
FP4002
TO LUMI/CHRO/AUDIO
(Page:3-41/G-21)
FRONT FPC (VJB00Y27)
TO MIC
TO FRONT OP
TO AV JACK
FRONT OPERATION C.B.A. (VEP00X56A)
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

Back Page:
CCD FLEX. CARD Section

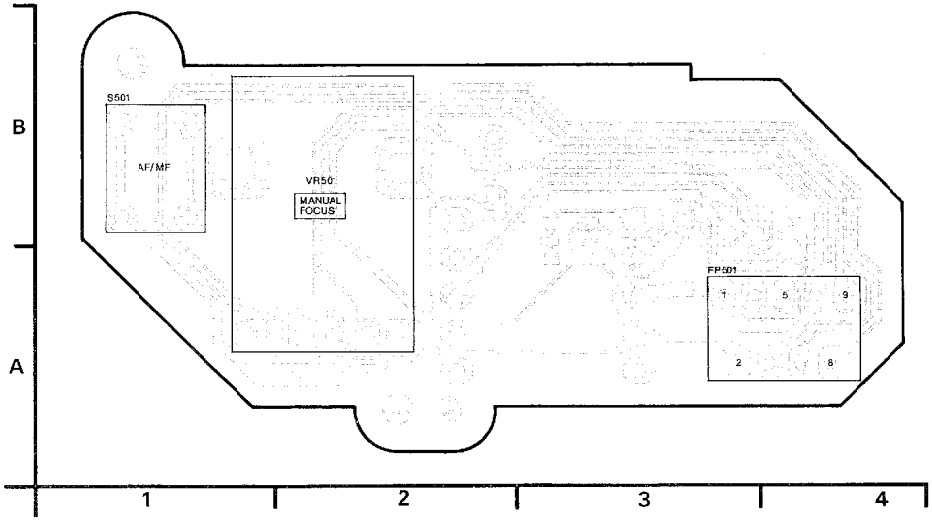
3-20. MIC C.B.A. (VEK7707: NV-RX19, 20)



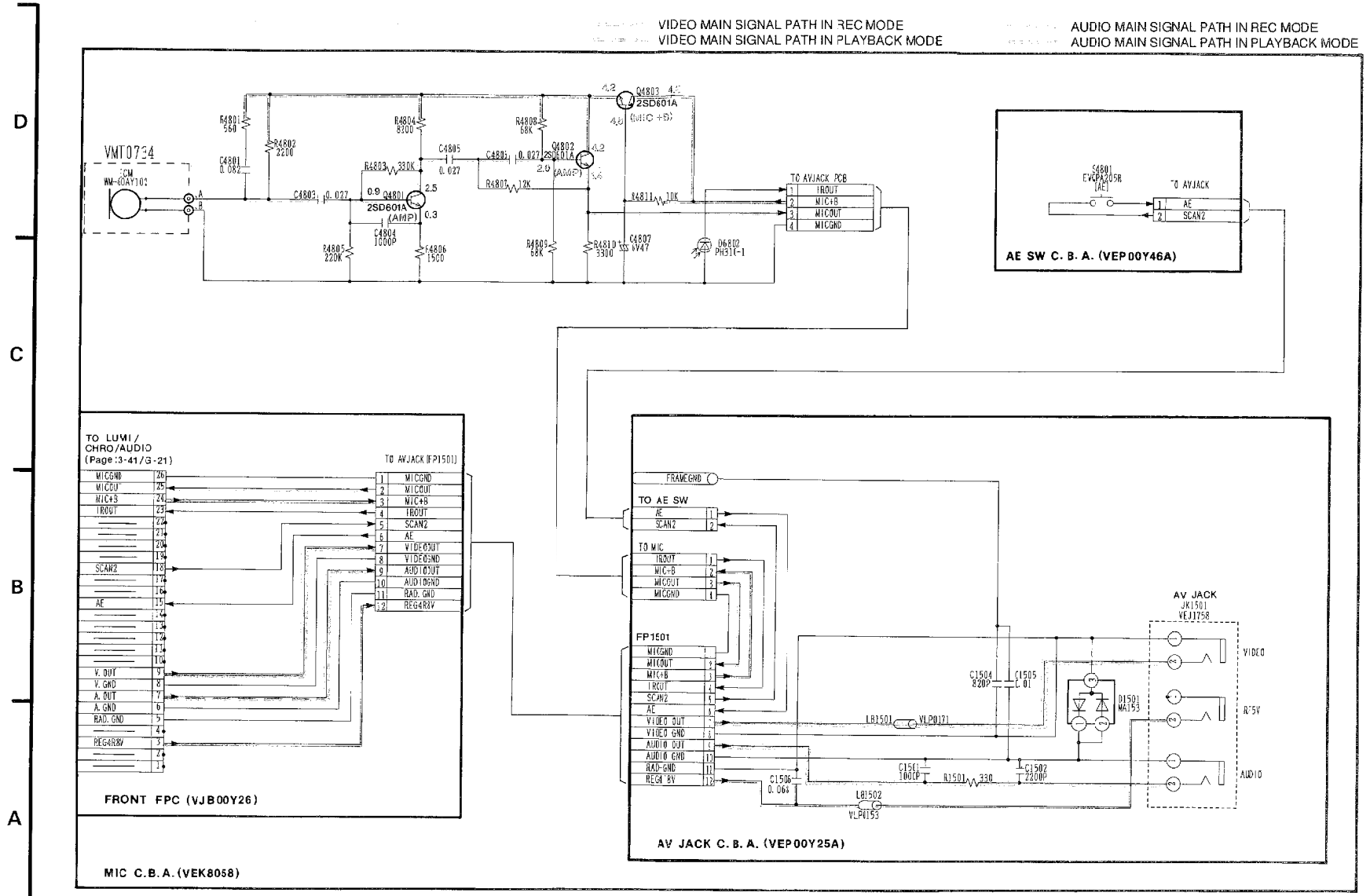
3-21. AV JACK C.B.A. (VEP00X57C: NV-RX19, 20)



3-22. FRONT OPERATION C.B.A (VEP00X56A: NV-RX19, 20)



3-23. MIC, AV JACK, AE SW SCHEMATIC DIAGRAM (NV-RX9, 10)

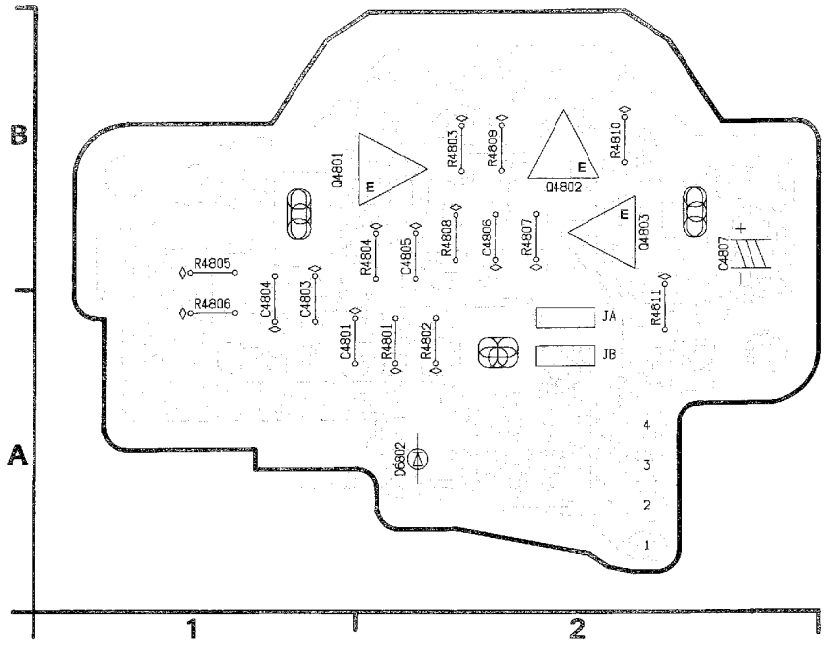


NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

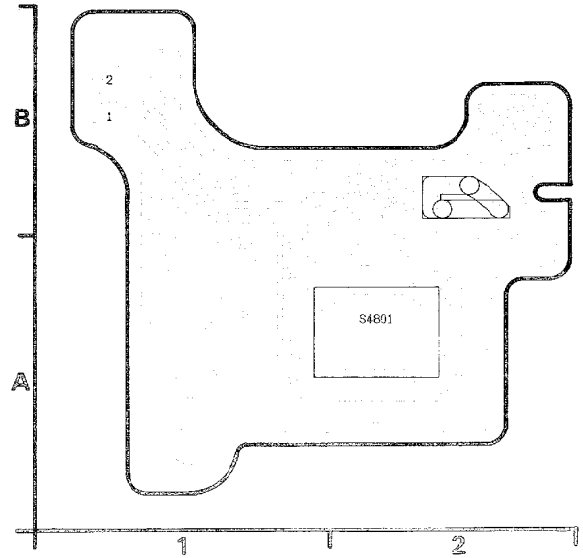
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

Back Page:
MIC, AV JACK, FRONT OP. Section

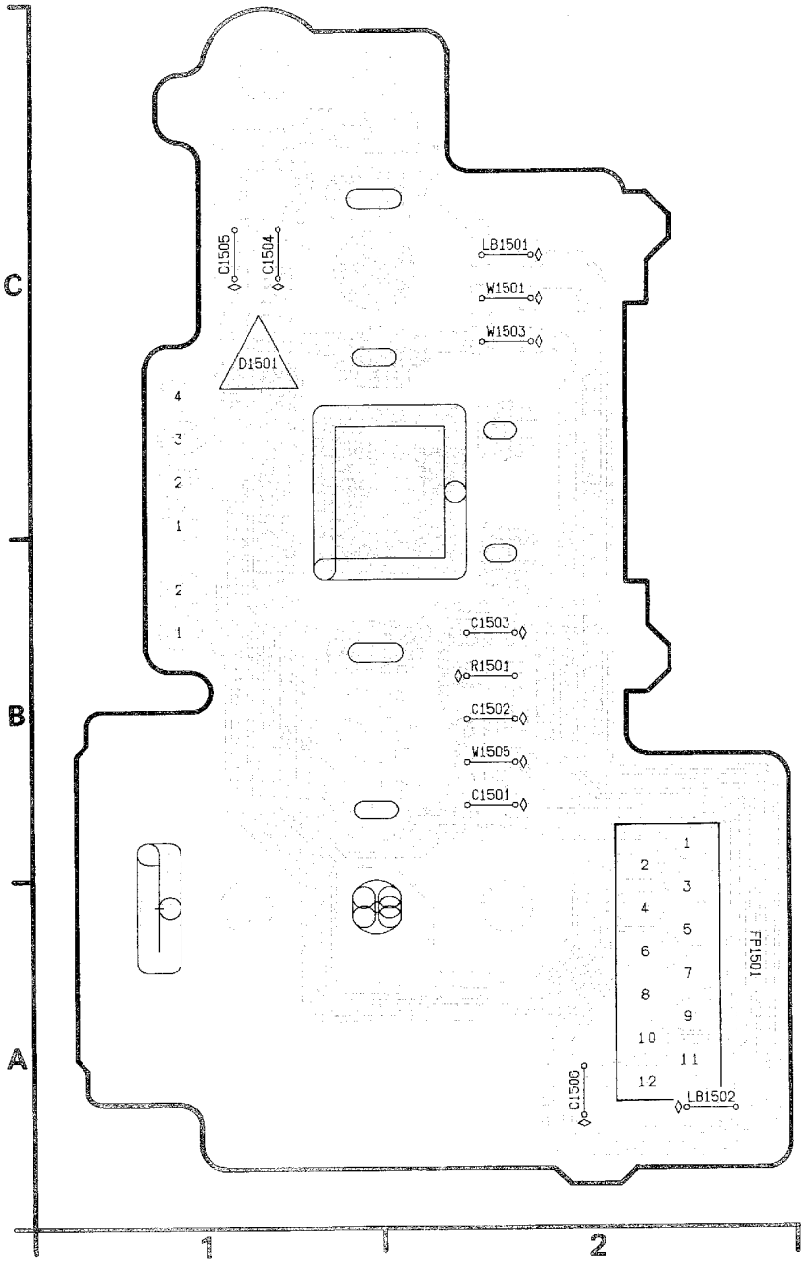
3-24. MIC C B.A (VEK8058: NV-RX9, 10)



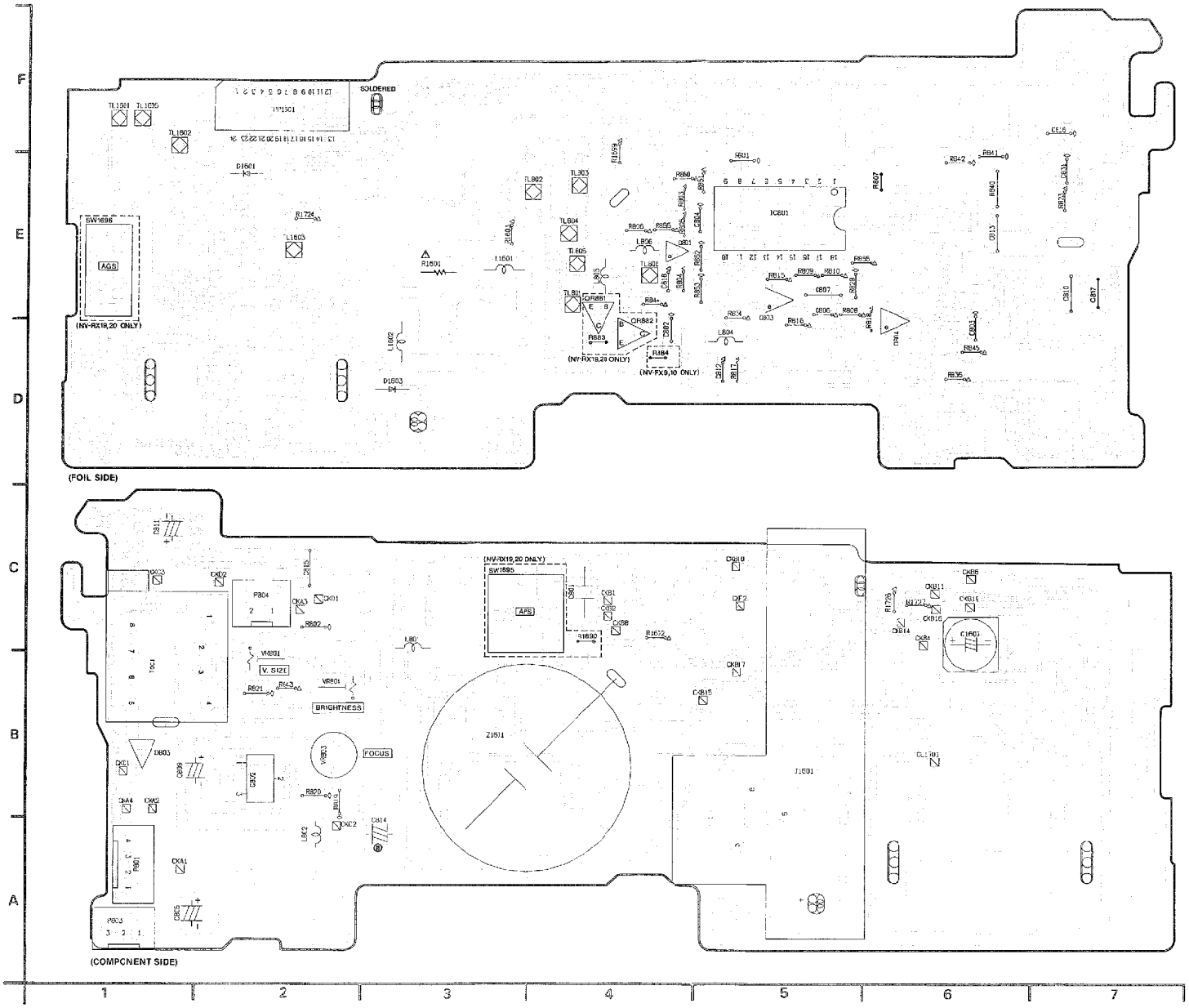
3-25. AE SW C B.A (VEP00Y46A: NV-RX9, 10)



3-26. AV JACK C.B.A. (VEP00Y25A: NV-RX9, 10)

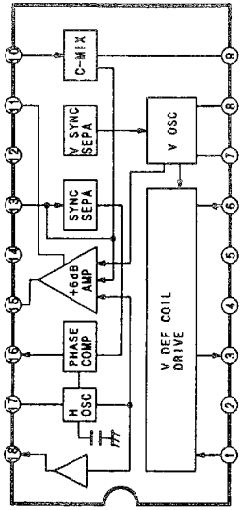


3-27. EVF [EVF, DC Jack Section] C B.A. (VEP28229L: NV-RX19, 20) (VEP28229M: NV-RX9, 10)

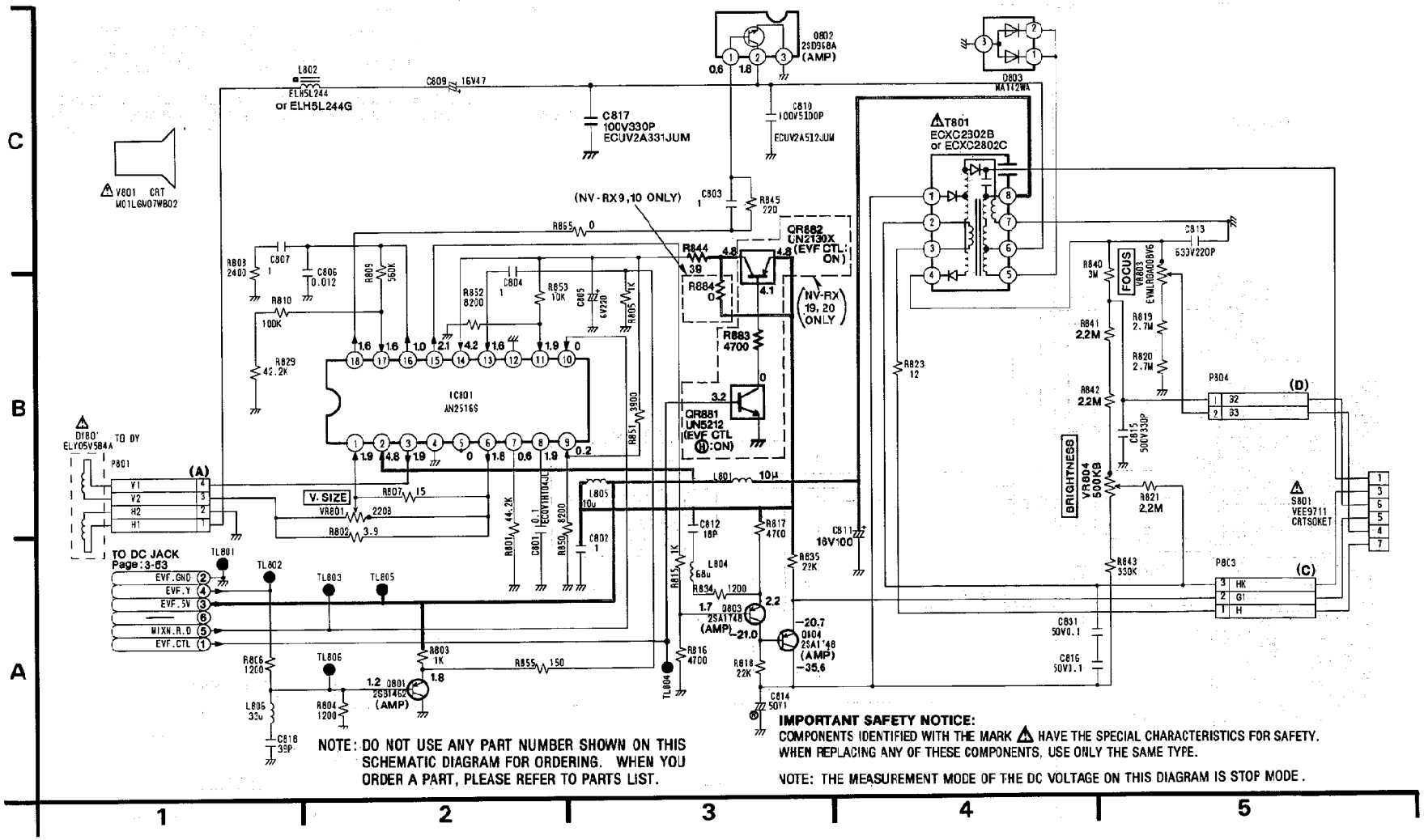


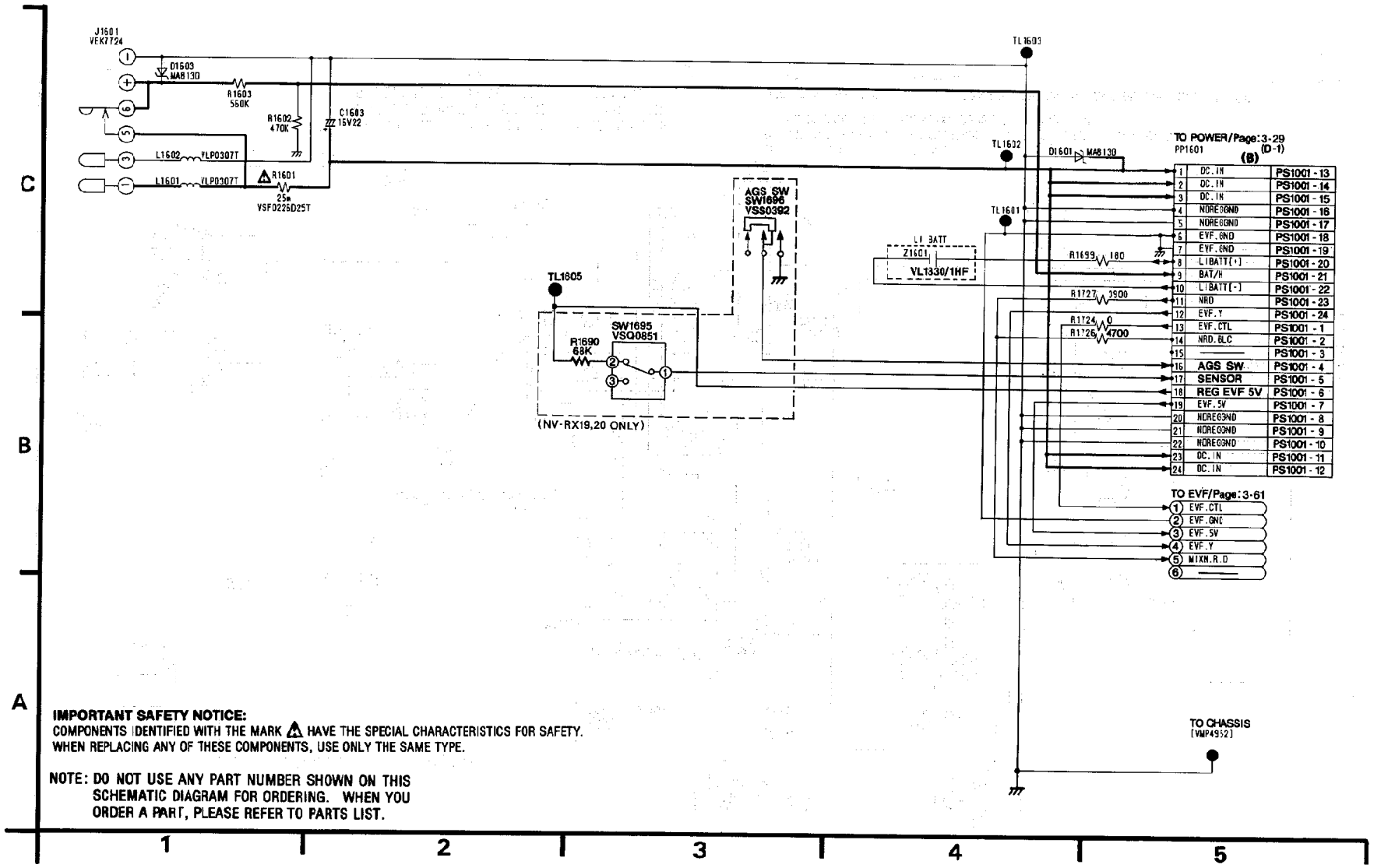
EVF IC BLOCK

IC801 (AN2516S)
(LOCATION: B-2)



Back Page:
MIC, AE SW, AV JACK Section


L802
ELH5L244
or ELH5L244G
C809 16V47
C817
100V330P
ECUV2A331JUM
C810
100V5100P
ECUV2A512JUM
Q802
2SD968A
(AMP)
D803
MA112WA
T801
ECXC2302B
or ECXC2802C
V801 CRT
M01LGN07W802
(NV-RX9,10 ONLY)
C803
R845 220
R865 0
QR882
UN2130X
(EVF CTL: ON)
R844 39
R884 0
R883 4700
QR881
UN5212
(EVF CTL H:ON)
(NV-RX 19, 20 ONLY)
R803 2400
C807
C606 0.012
R809 360K
R810 100K
R829 42.2K
R852 8200
C804
R853 10K
C805 6V220
R805 1K
R851 3900
IC801
AN2516S
R823 12
C813 630V220P
R840 3M
FOCUS
VR803 EVMLRG00B16
R841 2.2M
R819 2.7M
R820 2.7M
R842 2.2M
C815 50DV330P
P804
(D)
BRIGHTNESS
VR804 500KB
R821 2.2M
S801
VEE9711
CRTSOKET
R843 330K
P803
(C)
DY80
ELY05V5B4A
TO DY
P801
(A)
V1
V2
H2
H1
V. SIZE
VR801 2208
R807 15
R802 3.9
R801 44.2K
C801 0.1
C806 6200
C802 1
L805 10u
L801 10μ
C812 18P
R817 4700
C811 16V100
R835 22K
R815 1K
L804 68u
R834 1200
Q803
2SA1748
(AMP)
Q804
2SA1748
(AMP)
C831 50V0.1
C816 50V0.1
C814 50V1
R816 4700
R818 22K
TO DC JACK
Page:3-63
EVF.GND
EVF.Y
EVF.5V
MIXN.R.D
EVF.CTL
TL801
TL802
TL803
TL805
TL806
TL804
R806 1200
R804 1200
L805 33u
C818 39P
R803 1K
R855 150
Q801
2SB1462
(AMP)
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.



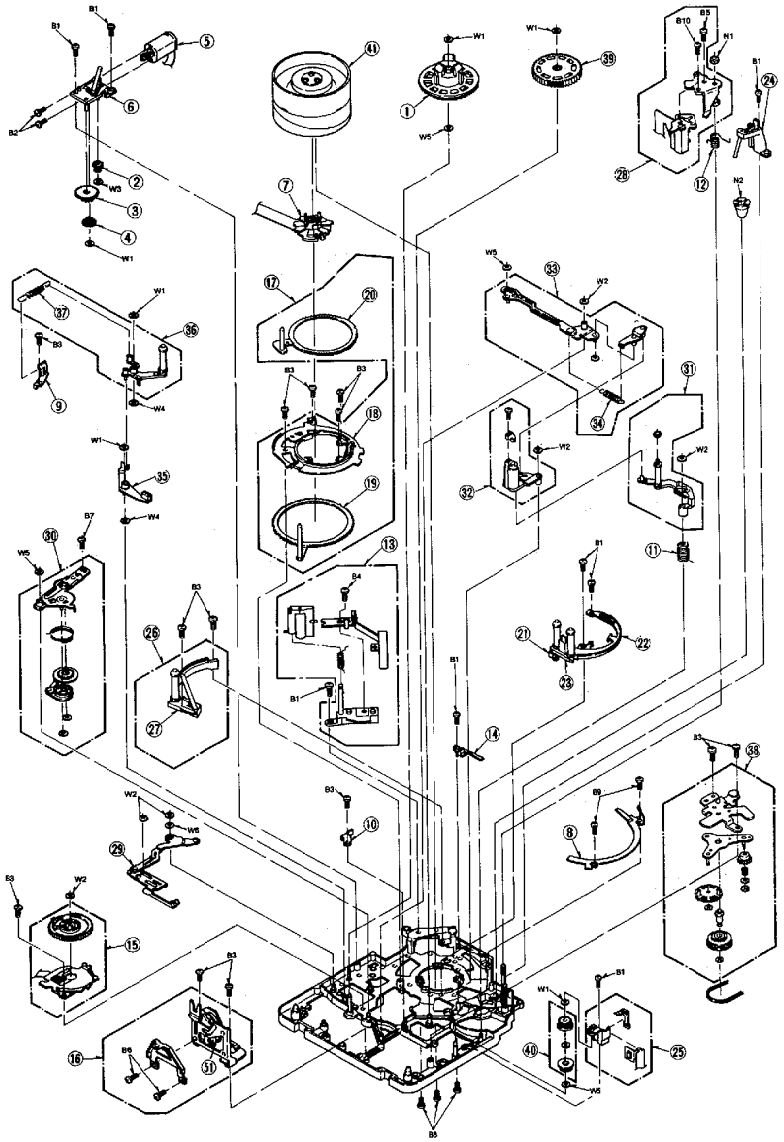
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

SECTION 4
EXPLODED VIEWS & PARTS LIST

4-1. EXPLODED VIEWS & MECHANICAL REPLACEMENT PARTS LIST

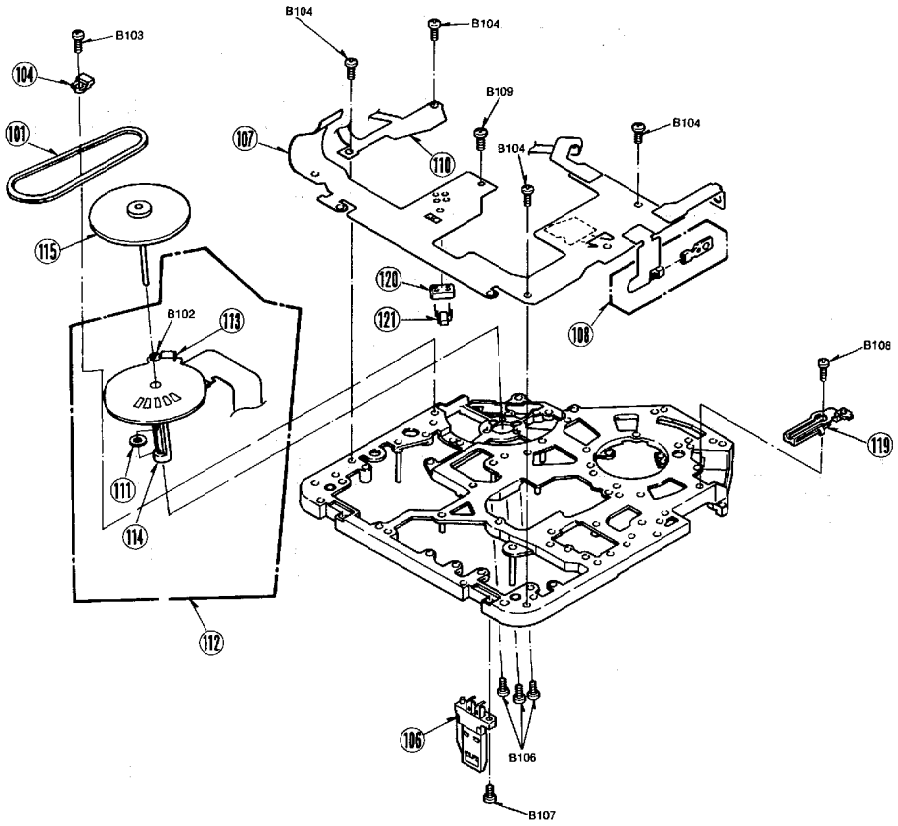
❶ VTR MECHANISM SECTION (1)



Note: 1. * Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark < ! > have the special charateristics for safety. When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1 (1)	VDR0226	REEL BASE (S)	1	
2 (1)	VDG0821	BRAKE GEAR (A)	1	
3 (1)	VDG0823	BRAKE GEAR (B)	1	
4 (1)	VDG0822	BRAKE GEAR (C)	1	
5 (1)	VEM0417	LOADING MOTOR (1) U.	1	
6 (1)	VXA4527	MOTOR HOLDER U.	1	
7 (1)	VEK7073	RT CONNECTOR U.	1	
8 (1)	VMA8502	T-RING SLIDER	1	
9 (1)	VMA8505	TEN-REG. SPRING HOOK	1	
10 (1)	VMA8532	PENDULUM ARM HOLDER	1	
11 (1)	VMB2362	T3 ARM SPRING	1	
12 (1)	VMB2365	AC HEAD SPRING	1	
13 (1)	VXA5306	S-GUIDE STAND U.	1	
14 (1)	VMD1851	T-BOAT GUIDE	1	
15 (1)	VSR0096	MODE SWITCH U.	1	
16 (1)	VXA5001	LOCK BASE U.	1	
17 (1)	VXA4517	LOADING RING U.	1	
18 (1)	VMD1824	RING GUIDE	1	
19 (1)	VXA4518	T-RING U.	1	
20 (1)	VXA4519	S-RING U.	1	
21 (1)	VEK5549	LED W.	1	
22 (1)	VMD1823	T-RA L	1	
23 (1)	VXA5260	T-BOAT U.	1	
24 (1)	VXA4528	T4 POST U.	1	
25 (1)	VXA4997	T-REEL SENSOR U.	1	
26 (1)	VXA5153	S-RAIL U.	1	
27 (1)	VXA5124	S-BOAT U.	1	
28 (1)	VXA5201	AC HEAD U.	1	
29 (1)	VXL2393	EJECT LEVER (1) U.	1	
30 (1)	VXL2401	SWING ARM U.	1	
31 (1)	VXL2431	T3 ARM (A) U.	1	
32 (1)	VXL2139	PINCH ARM U.	1	
33 (1)	VXL2140	PINCH DRIVE ARM U.	1	
34 (1)	VMB2363	PINCH PRESSURE SPRING	1	
35 (1)	VXL2144	PAD ARM U.	1	
36 (1)	VXL2145	TEN-REG. ARM U.	1	
37 (1)	VMB2364	TEN-REG. SPRING	1	
38 (1)	VXL2399	IDLER U.	1	
39 (1)	VXP1308	RELAY GEAR U.	1	
40 (1)	VXP1313	T-CRIVE GEAR U.	1	
41 (1)	VEG1174	CYLINDER U	1	NV-RX10EB, 20EG
41 (1)	VEG1175	CYLINDER U.	1	EXCEPT NV-RX10EB, 20EB
51 (1)	VMB2369	LOCK SPRING	1	
B1 (1)	XQN14+B25FY	SCREW	3	
B2 (1)	XQN14+A14	SCREW	2	
B3 (1)	XQN14+B2	SCREW	13	
B4 (1)	XQN14+BJ35	SCREW	1	
B6 (1)	XQN14+CF4	SCREW	4	
B7 (1)	XQN14+C5	SCREW	1	
B8 (1)	XQN14+C35R	SCREW	3	
B9 (1)	VHD0711	SCREW	2	
B10 (1)	VHD0700	SCREW	1	
B11 (1)	VHD0699	SCREW	1	
B12 (1)	XQN14+G2	SCREW	2	
B13 (1)	VHD0707	SCREW	1	
N1 (1)	VHN0047	NUT	1	
N2 (1)	VHN0175	NUT	1	
W (1)	VMX2027	WASHER	6	
W2 (1)	VMX2026	WASHER	4	
W3 (1)	VMX2051	WASHER	1	
W4 (1)	XWGV12Z3G	WASHER	2	
W5 (1)	XWGV12Y3G	WASHER	3	
W6 (1)	XWGV0007	WASHER	1	
W7 (1)	VMX2366	WASHER	1	
W8 (1)	VMX2359	CUT WASHER	2	

❷ VTR MECHANISM SECTION (2)

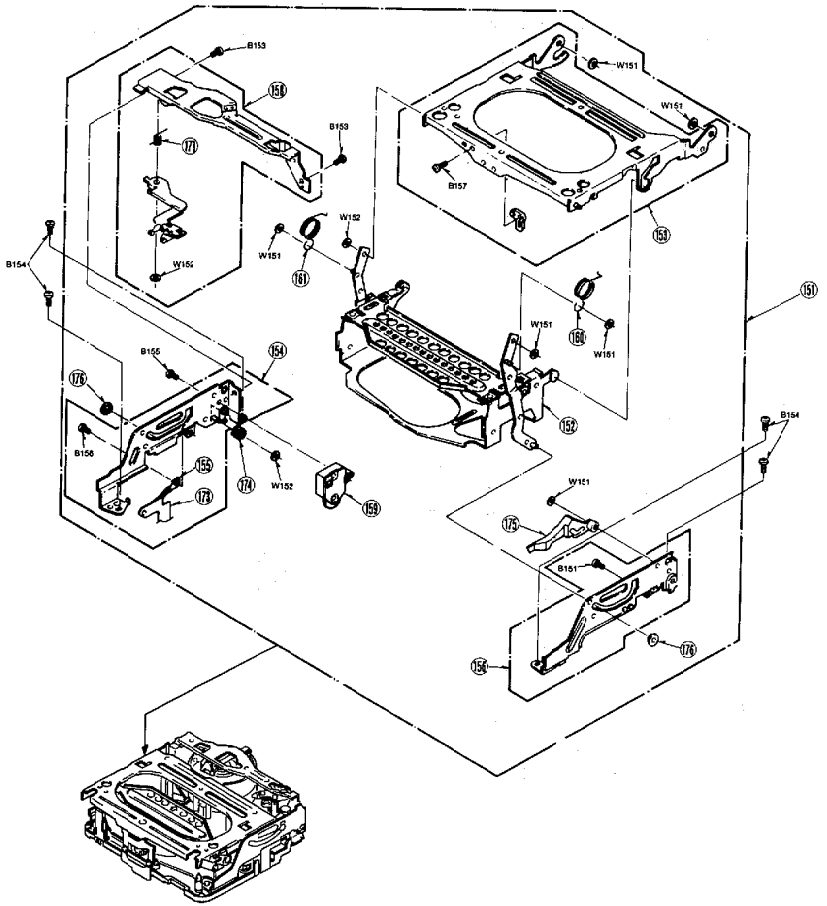


Note: 1. * Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
101 (2)	VDV0232	CAPSTAN BELT	1	
104 (2)	VMD1846	CAPSTAN STOPPER	1	
106 (2)	VSH0065	REG SAFETY SW U.	1	
107 (2)	VWJ0878	MECH. FLEXIBLE CARD	1	
108 (2)	VXA4511	PHOTO (L) U.	1	
110 (2)	VXA4997	T-REEL SENSOR U.	1	
111 (2)	VDB1129	LOWER BEARING	1	
112 (2)	VEK7314	STATOR U.	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
113 (2)	VBK0059	MR HEAD	1	
114 (2)	VXD0134	HOUSING U.	1	
115 (2)	VXP1303	ROTOR U.	1	
119 (2)	VMP4923	H.A. EARTH PLATE	1	
120 (2)	VMD1842	REEL SENSOR MOUNT	1	
121 (2)	GN2170-LH	REEL SENSOR	1	
B102 (2)	VHD0593	SCREW	1	
B103 (2)	XQN14+B25FY	SCREW	1	
B104 (2)	XQN14+C2R	SCREW	4	
B106 (2)	XQN14+A3	SCREW	3	
B107 (2)	XQN14+CF4	SCREW	1	
B108 (2)	XQN14+C2	SCREW	1	
B109 (2)	VHD0875	SCREW	1	

❸ VTR MECHANISM SECTION (3)

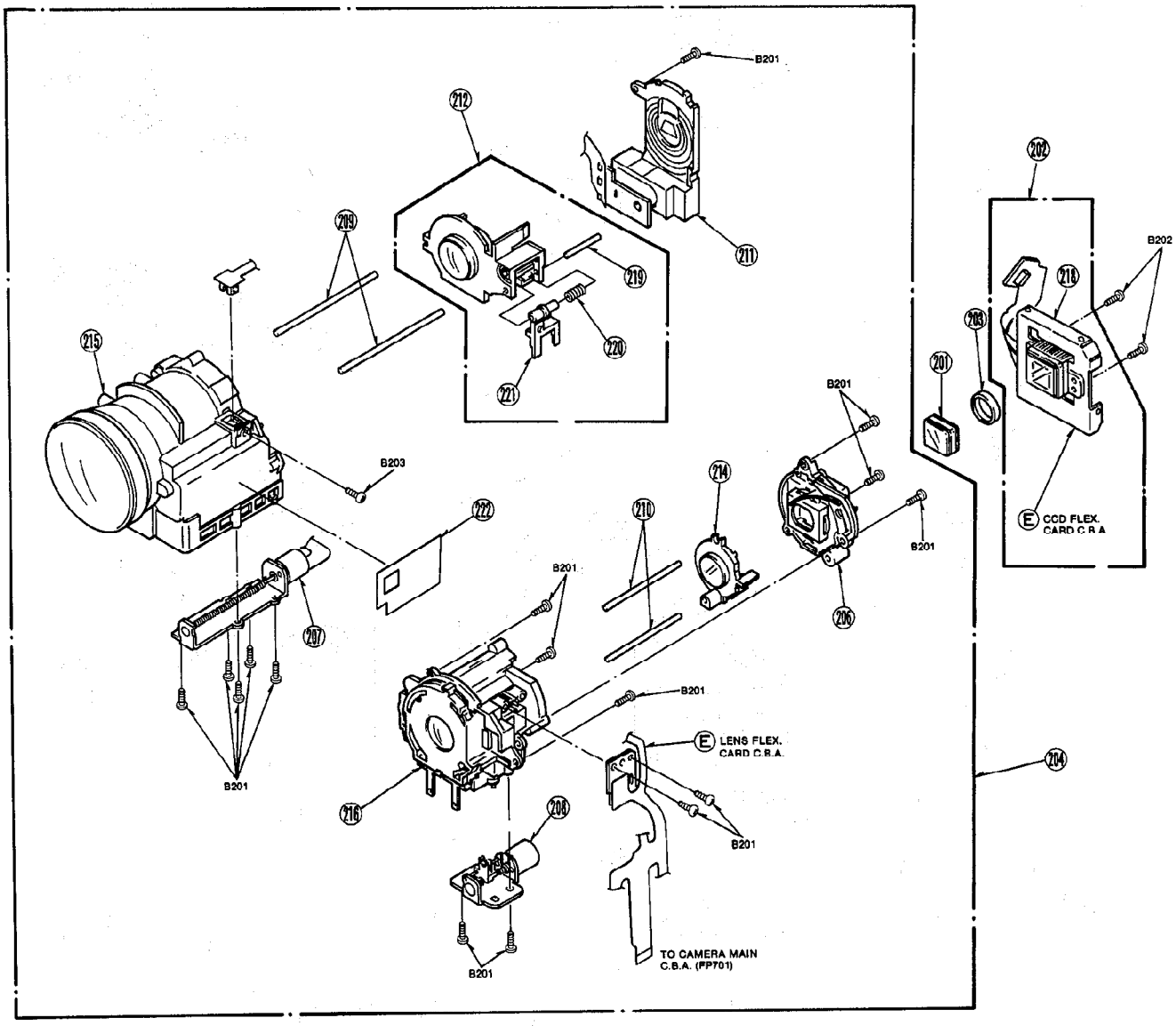


Note: 1. * Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
151 (3)	VXA5725	GARAGE U.	1	
152 (3)	VXA5199	HOLDER U.	1	
153 (3)	VXA4963	GARAGE '1) U.	1	
154 (3)	VXA4510	STAND (L) U.	1	
155 (3)	VXA4511	PHOTO (L) U.	1	
156 (3)	VXA5000	STAND (F) U.	1	
158 (3)	VXL2222	TAPE GUIDE U.	1	
159 (3)	VXP1472	DUMPER	1	
160 (3)	VMB2367	UP SPRING (R)	1	
161 (3)	VMB2368	UP SPRING (L)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
173 (3)	VWJ0548	PHOTO FLEX. CARD	1	
174 (3)	VD60827	DUMPER RELAY GEAR	1	
175 (3)	VML2580	TAPE OPEN LEVER	1	
176 (3)	VBP1406	ARM HOLDER	2	
178 (3)	VMB2498	TAPE GUIDE SPRING	1	
B153 (3)	XQN14+BF2	SCREW	2	
B154 (3)	VHD0838	SCREW	4	
B155 (3)	XQN16+AJ8	SCREW	1	
B156 (3)	XQN14+CM2	SCREW	1	
B157 (3)	XQS14+A25FZ	SCREW	1	
W151 (3)	VWX1042	WASHER	2	
W152 (3)	VWX1061	WASHER	2	
W153 (3)	XWGV0006	WASHER	3	

❹ CAMERA LENS SECTION

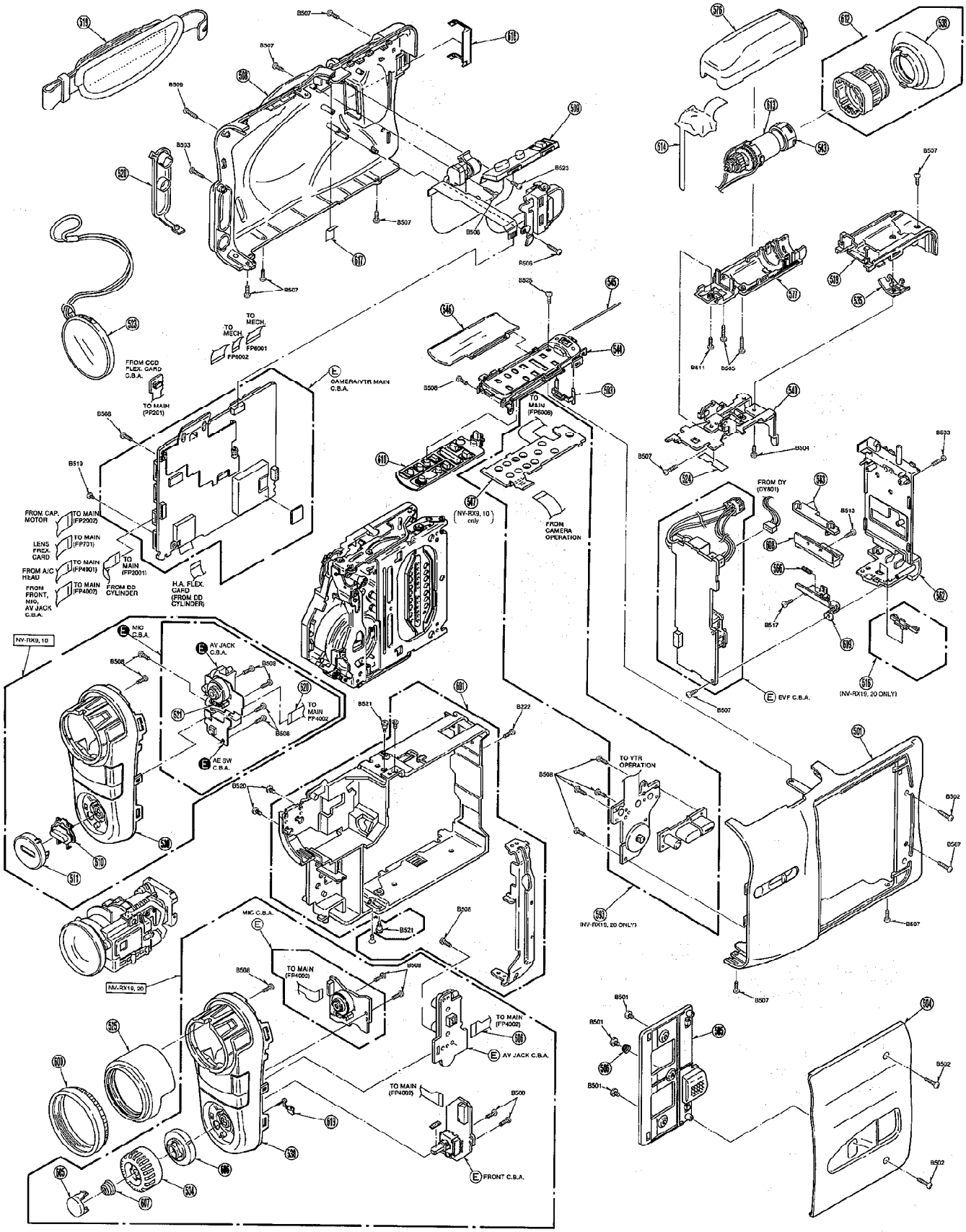


Note: 1. * Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
201 (4)	VDL0478	CRYSTAL FILTER	1	
202 (4)	VEK8062	CCD UNIT	1	
203 (4)	VMX2565	CCD CUSHION	1	
204 (4)	VXW0351	LENS U.	1	
206 (4)	VDW0319	CRYSTAL MOUNT PLATE	1	
207 (4)	VEM0601	ZOOM MOTOR U.	1	
208 (4)	VEM0600	FOCUS MOTOR U.	1	
209 (4)	VMS5735	Z GUIDE POLE	2	
210 (4)	VMS5736	F GUIDE POLE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
211 (4)	VXL2445	IRIS U.	1	
212 (4)	VXP1554	2ND. MOVING FRAME U.	1	
214 (4)	VXP1555	4TH. MOVING FRAME U.	1	
215 (4)	VXQ0440	MAIN FRAME U.	1	
216 (4)	VXQ0441	3RD. LENS FRAME U.	1	
218 (4)	VSC3671	CCD SHIELD CASE	1	
219 (4)	VMS5734	RACK G. P	1	
220 (4)	VMB2796	2ND. SPRING	1	
221 (4)	VML2911	2ND. RACK	1	
222 (4)	VMA9680	ANTI-VIBRATION SHEET	1	
B201 (4)	XQN16+CJ5	SCREW	16	
B202 (4)	XQN16+CJ6	SCREW	2	
B203 (4)	VHD0852	SCREW	1	

❺ FRAME & CASING PARTS SECTION



Note: 1. * Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
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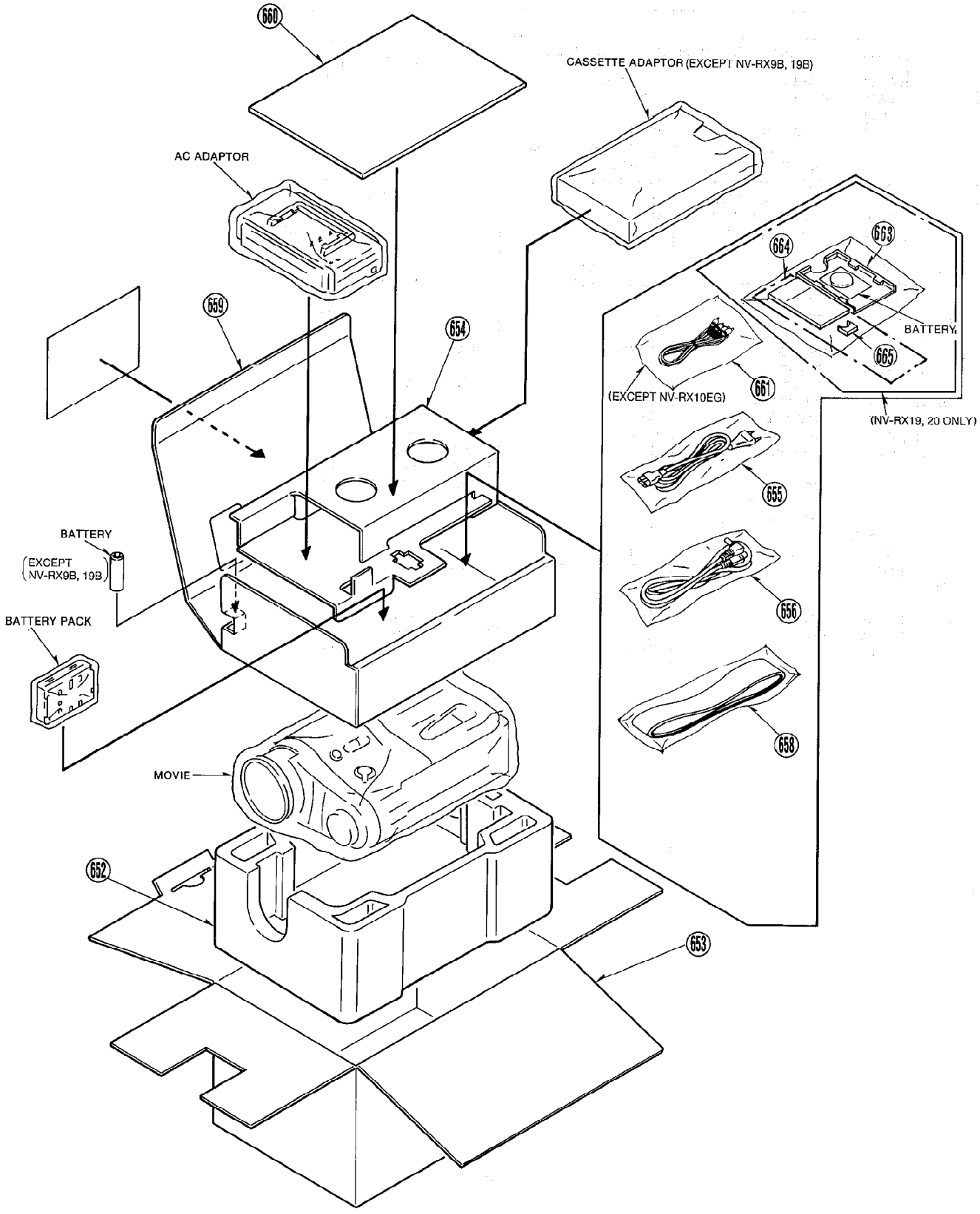
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
501 (5)	VKM4620	SIDE CASE (R)	1	NV-RX9, 10
501 (5)	VKM4622	SIDE CASE (R)	1	NV-RX19, 20
503 (5)	VGL0725	TOP PANEL LIGHT	1	
504 (5)	VYK7536	CASSETTE COVER (1) U.	1	NV-RX9B
504 (5)	VYK7487	CASSETTE COVER (1) U.	1	NV-RX10A/EG/EN/ENH/EU
504 (5)	VYK7537	CASSETTE COVER (1) U.	1	NV-RX19B
504 (5)	VYK7492	CASSETTE COVER (1) U.	1	NV-RX20EG/EN/ENH/EU
505 (5)	VGU7177	CASSETTE LOCK BUTTON	1	
506 (5)	VMB2604	CASSETTE COIL SPRING	1	
508 (5)	VYK7489	SIDE CASE (L) (1)U.	1	
509 (5)	VXU1461	S/S, ZOOM, EJECT U.	1	
510 (5)	VGU7462	AE BUTTON	1	NV-RX9, 10 ONLY
511 (5)	VKF2689	AE BUTTON COVER	1	NV-RX9, 10 ONLY
516 (5)	VGU7207	AGS KNOB	1	NV-RX19, 20 ONLY
519 (5)	VYG0618	GRIP BELT U.	1	
520 (5)	VKF2543	AV JACK COVER	1	
521 (5)	PH310	DIODE (D6802)	1	NV-RX9, 10 ONLY
523 (5)	VYF2326	HOOD COVER U.	1	
524 (5)	VGQ4226	EVF WIRE BARRIER	1	
525 (5)	VYK6776	LENS COVER U.	1	
530 (5)	VYK6958	FRONT CASE (2) U.	1	NV-RX9, 10
530 (5)	VYK6964	FRONT CASE (2) U.	1	NV-RX19, 20
534 (5)	VGU7460	FOCUS KNOB	1	
535 (5)	VGQ4136	EVF LOCK PIECE	1	
538 (5)	VMG0631	EYE CAP	1	
539 (5)	VKM4315	EVF MOUNT PANEL	1	
540 (5)	VYK6784	EVF ROTARY ANGLE U.	1	
543 (5)	M01LGM07WB02	CRT	1	
544 (5)	VYK7484	TOP PANEL (1) U	1	NV-RX10EG, 20EG
544 (5)	VYK7485	TOP PANEL (1) U.	1	EXCEPT NV-RX10EG, 20EG
545 (5)	VMS6103	DOOR SHAFT	1	
546 (5)	VKF2525	VTR DOOR	1	
547 (5)	VEK8069	VTR OPERATION U.	1	NV-RX9, 10 ONLY
562 (5)	VKM4313	REAR CASE	1	NV-RX9, 10
562 (5)	VKM4350	REAR CASE	1	NV-RX19, 20
563 (5)	VGQ4118	BATTERY LOCK	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
566 (5)	VMB2386	BATTERY LOCK SPRING	1	
576 (5)	VKM4308	EVF CASE (UPPER)	1	
577 (5)	VKM4309	EVF CASE (LOWER)	1	
593 (5)	VEK8068	CAM/VTR OPERATION UNIT	1	NV-RX19, 20 ONLY
600 (5)	VYQ1299	LENS HOOD U.	1	
601 (5)	VYQ1275	MAIN FRAME	1	
604 (5)	VJB00X58	FRONT FPC	1	NV-RX19, 20 ONLY
605 (5)	VGU7461	MF SELECT BUTTON	1	
606 (5)	VGQ4079	MF SELECT PIECE	1	
607 (5)	VMB3123	MF SELECT BUTTON SPRING	1	
608 (5)	VGQ2607	BATTERY LOCK HOLDER	1	
609 (5)	VMP4948	BATTERY LOCK HOLD ANGLE	1	
612 (5)	VYK6780	FINDER CASE U.	1	
613 (5)	ELY05V584A1	DY	1	
614 (5)	VGQ4194	BLINDER BARRIER		
616 (5)	VKF2704	S/S HOLDER COVER	1	
617 (5)	VGQ4225	ZOOM BARRIER	1	
618 (5)	VGU7471	VTR OPERATION BUTTON	1	EXCEPT NV-RX10EG, 20EG
618 (5)	VGU7470	VTR OPERATION BUTTON	1	NV-RX10EG, 20EG
619 (5)	VGQ4077	MF SELECT HINGE	1	NV-RX19, 20 ONLY
620 (5)	VJB00Y26	FRONT FPC	1	NV-RX9, 10 ONLY
B501 (5)	VHD0794	SCREW	3	
B502 (5)	XQN2+CF7FZ	SCREW	2	
B503 (5)	XQN2+GJ12FZ	SCREW	2	
B504 (5)	XQN16+GQ35	SCREW	1	
B505 (5)	XQN16+GG8FZ	SCREW	2	
B506 (5)	XQN2+GJ8	SCREW	2	
B507 (5)	XQN2+GJ6FZ	SCREW	14	
B508 (5)	XQN2+GJ6	SCREW	9	NV-RX9, 10
B508 (5)	XQN2+GJ6	SCREW	13	NV-RX19, 20
B509 (5)	XQN2+GJ8FZ	SCREW	1	
B511 (5)	XQN2+GF4FZ	SCREW	1	
B513 (5)	XQN2+BF4	SCREW	1	
B517 (5)	XQN2+GJ4	SCREW	1	
B519 (5)	XTB2+4F	SCREW	1	
B520 (5)	VHD1054	SCREW	2	
B521 (5)	VHD0713	SCREW	2	
B522 (5)	XQN2+C3	SCREW	1	
B523 (5)	XQN2+GJ5	SCREW	1	
B524 (5)	XQN2+CF4FZ	SCREW	1	
B525 (5)	XQN2+GG6FZ	SCREW	1	

❻ PACKING PARTS & ACCESSORIES SECTION



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2. IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special charateristics for safety. When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
652 (6)	VPN4367	CUSHION (LOWER)	1	
653 (6)	VPG8836	PACKING	1	NV-RX9B
653 (6)	VPG8839	PACKING	1	NV-RX10A
653 (6)	VPG8834	PACKING	1	NV-RX10EG
653 (6)	VPG8837	PACKING	1	NV-RX10EN
653 (6)	VPG8838	PACKING	1	NV-RX10ENH
653 (6)	VPG8840	PACKING	1	NV-RX10EU
653 (6)	VPG8843	PACKING	1	NV-RX19B
653 (6)	VPG8841	PACKING	1	NV-RX20EG
653 (6)	VPG8844	PACKING	1	NV-RX20EN
653 (6)	VPG8845	PACKING	1	NV-RX20ENH
653 (6)	VPG8846	PACKING	1	NV-RX20EU
654 (6)	VPN4453	ACCESSORIES PAD	1	
⚠ 655 (6)	VJA0664	AC CORD	1	NV-RX10EG/EN/EU
				NV-RX20EG/EN/EU
⚠ 655 (6)	VJA0754	AC CORD	1	NV-RX10A
⚠ 655 (6)	VJA0940	AC CORD	1	NV-RX9B, 10ENH
				NV-RX19B, 20ENH
656 (6)	VJA0769	DC OUTPUT CABLE	1	
658 (6)	VFC2522	SHOULDER STRAP	1	
659 (6)	VPN4452	ACCESSORIES BOX	1	
⚠ 660 (6)	VQT6830	OPERATING INSTRUCTIONS	1	NV-RX9B
		(ENGLISH)		
⚠ 660 (6)	VQT6832	OPERATING INSTRUCTIONS	1	NV-RX10A
		(ENGLISH)		
⚠ 660 (6)	VQT6829	OPERATING INSTRUCTIONS	1	NV-RX10EG
		(GERMAN/ENGLISH		
		/FRENCH/SPANISH)		
⚠ 660 (6)	VQT6836	OPERATING INSTRUCTIOONS	1	NV-RX10EG
		(ITALIAN/DUTCH		
		/SWEDISH/DANISH)		
⚠ 660 (6)	VQT6831	OPERATING INSTRUCTIONS	1	NV-RX10EN/ENH/EU
		(ENGLISH/CHINESE		
		/ARABIC/RUSSIAN)		
⚠ 660 (6)	VQT6847	OPERATING INSTRUCTIONS	1	NV-RX19B
		(ENGLISH)		
⚠ 660 (6)	VQT6846	OPERATING INSTRUCTIONS	1	NV-RX20EG
		(GERMAN/ENGLISH		
		/FRENCH/SPANISH)		
⚠ 660 (6)	VQT6851	OPERATING INSTRUCTIONS	1	NV-RX20EG
		(ITALIAN/DUTCH		
		/SWEDISH/DANISH)		
⚠ 660 (6)	VQT6848	OPERATING INSTRUCTIONS	1	NV-RX20EN/ENH/EU
		(ENGLISH/CHINESE		
		/ARABIC/RUSSIAN)		
661 (6)	VFA0039	AV CORD	1	EXCEPT NV-RX10EG
663 (6)	VGQ6893	REMOTE CONTROLLER HOLDER	1	NV-RX19, 20
664 (6)	VEQ1887	REMOTE CONTROLLER	1	NV-RX19, 20
665 (6)	VJF1262	BATTERY COVER	1	NV-RX19, 20

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
		****** JIG & TOOLS ******		
		------ ELECTRICAL ------		
		TATSUJIN KIT		
		(For individual part		
		numbers of Tatsujin kit,		
		please refer to		
		Technical Information		
		order No. VRD9609T08)		
	VFKW0F0033	ATTACHMENT CABLE	2	OR VFK0670
	VFKW0F0055	ATTACHMENT CABLE	2	
	VFKW0F0001	COMMON CABLE	2	
	VFKW0F0128	ATTACHMENT CABLE	1	OR VFK0978
	VFKW0F0127	ATTACHMENT CABLE	1	
	VFKW0F0001	COMMON CABLE	1	
	VFKW0F0118	ATTACHMENT CABLE	1	OR VFK0929
	VFKW0F0117	ATTACHMENT CABLE	1	
	VFKW0F0001	COMMON CABLE	1	
	VFKW0F0132	ATTACHMENT CABLE	1	OR VFK0980
	VFKW0F0131	ATTACHMENT CABLE	1	
	VFKW0F0001	COMMON CABLE	1	
	VFKW0F0111	ATTACHMENT CABLE	1	OR VFK013
	VFKW0F0112	ATTACHMENT CABLE	1	
	VFKW0F0001	COMMON CABLE	1	
	VFKW0F0140	ATTACHMENT CABLE	1	
	VFKW0F0139	ATTACHMENT CABLE	1	
	VFKW0F0001	COMMON CABLE	1	
	VFK0668	EXTENSION CABLE	1	
		------ MECHANICAL ------		
	VFK0743	H-POSITION ADJUSTMENT	1	
	VFK0824	ASTERISK TYPE WRENCH	1	
	VFM8180HUPF	VHS-C ALIGNMENT TAPE	1	
	VFK0329	POST ADJ. SCREW DRIVER	1	
	VFK0326	HEX WRENCH SET	1	
	VFK27	HEAD CLEANING STICK	1	
	VFK1024	MORLYTONE GREASE	1	

4-2. ELECTRICAL REPLACEMENT PARTS LIST

Note: 1. Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE: Components identified with the mark < ! > have the special characteristics for safety. When replacing any of these components, use only the same type.
3. Unless otherwise specified,
All resistors are in OHMS, K-1,000 OHMS. All capacitors are in MICROFARADS (uf), P-uuF.
4. The P.C. Board units marked width "■" show below the main assembled parts.
5. The marking (RTL) indicates the retention time is limited for this item.
After the discontinuation of this assembly in production, it will no longer be available.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEP23432B	CAMERA/MAIN C.B.A.	1	(RTL)
				NV-RX9B
				NV-RX10EG/A/EN/ENH/EU
■	VEP23432A	CAMERA/MAIN C.B.A.	1	(RTL)
				NV-RX19B
				NV-RX20EG/EN/ENH/EU
■	VEP28229M	E.V.F. C.B.A.	1	(RTL)
				NV-RX9B
				NV-RX10EG/A/EN/ENH/EU
■	VEP28229L	E.V.F. C.B.A.	1	(RTL)
				NV-RX19B
				NV-RX20EG/EN/ENH/EU
■	VEP22248A	CCD FLEX. CARD C.B.A.	1	(RTL)
■	VEK8063	LENS FLEX. CARD C.B.A.	1	(RTL)
■	VEK8058	MIC UNIT	1	(RTL)
				NV-RX9B
				NV-RX10EG/A/EN/ENH/EU
■	VEK7707	MIC UNIT	1	(RTL)
				NV-RX19B
				NV-RX20EG/EN/ENH/EU
■	VEP00X56A	FRONT C.B.A.	1	(RTL)
				NV-RX19B
				NV-RX20EG/EN/ENH/EU
■	VEP00X57C	AV JACK C.B.A.	1	(RTL)
				NV-RX19B
				NV-RX20EG/EN/ENH/EU
■	VEP23432B	CAMERA/MAIN C.B.A.		(RTL)
				NV-RX9B
				NV-RX10EG/A/EN/ENH/EU
C201	EGST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C202	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C203	EGST0JY156Z	T.CAPACITOR CH 6.3V 15U	1	
C204	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C205	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C206-12	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	7	
C213	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C214	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C216	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C218	EGST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C219	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C220	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C221	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C222	EGST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C223	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C224	EGST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C225	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C226	EGST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C227	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C228	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C229	EGST1CX155Z	T.CAPACITOR CH 4V 2.2U	1	
C230	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C231, 32	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C235, 36	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C238	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C243	ECEV0JA101	E.CAPACITOR CH 6.3V 100U	1	
C244	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C301, 02	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C304	ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C306	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C307	ECUX1H080CCV	C.CAPACITOR CH 50V 8P	1	
C309	ECST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C310	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C311	EGST1AY225Z	T.CAPACITOR CH 10V 2.2U	1	
C312	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C321	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C322	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C403	EGST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C405	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C406	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C407, 08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C409	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C410	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C411	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C412	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C413	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C414	ECST1CY105Z	T.CAPACITOR CH 16V 1U	1	
C415	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C416	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C417	ECST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C418	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C701	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C703	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C704	ECST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C705	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C706, 07	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C708, 09	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	
C711	ECEV1CA470	E.CAPACITOR CH 16V 47U	1	
C712	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C713	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C714	ECST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C715	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C716	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C718	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C719	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C720	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	1	
C721	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C722	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C724	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C726, 27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1002	ECUM1A225KBM	C.CAPACITOR CH 10V 2.2U	1	
C1003	ECUM1A335KBM	C.CAPACITOR CH 10V 3.3U	1	
C1004	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C1005	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C1008	ECUM1A335KBM	C.CAPACITOR CH 10V 3.3U	1	
C1009	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C1010	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C1012	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C1014	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C1017	ECUM1E105KB	C.CAPACITOR CH 25V 1U	1	
C1019	ECUM1E334KBM	C.CAPACITOR CH 25V 0.33U	1	
C1020	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C1022	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1024	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	1	
C1025	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1026	EGEV1HA010	E.CAPACITOR CH 50V 1U	1	
C1027	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C1028	ECEV1HAR47	E.CAPACITOR CH 50V 0.47U	1	
C1029	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1030	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C1031	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1032	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C1033-35	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	3	
C1036	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1037	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C1040, 41	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C1051	ECUM1C334KBN	C.CAPACITOR CH 16V 0.33U	1	
C1055	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C1057	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1064	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C1066	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C1071	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C1073	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C1080, 81	ECUX1C473KBV	C. CAPACITOR CH 16V 0.047U	2	
C1112	ECUM1A225KBM	C. CAPACITOR CH 10V 2.2U	1	
C2001, 02	ECEV1HA010	E. CAPACITOR CH 50V 1U	2	
C2003	ECUX1H332KBV	C. CAPACITOR CH 50V 3300P	1	
C2004	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1	
C2005	ECUX1H152KBV	C. CAPACITOR CH 50V 1500P	1	
C2007	ECEV1HA010	E. CAPACITOR CH 50V 1U	1	
C2009	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C2010	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C2011	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1	
C2012, 13	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C2014	ECEV1CA100	E. CAPACITOR CH 16V 10U	1	
C2015-17	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	3	
C2018	ECEV0JA220	E. CAPACITOR CH 6.3V 22U	1	
C2020-22	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3	
C2023	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C2025-27	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	3	
C2028	ECEV0JA220	E. CAPACITOR CH 6.3V 22U	1	
C2029	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C2033	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C2040-42	ECUX1C473KBV	C. CAPACITOR CH 16V 0.047U	3	
C2043	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C2070	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C3001	ECUX1H680JCV	C. CAPACITOR CH 50V 68P	1	
C3004	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3005	ECEV0SA470	E. CAPACITOR CH 4V 47U	1	
C3006	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C3008	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3009, 10	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C3016	ECUX1H151JCV	C. CAPACITOR CH 50V 150P	1	
C3017	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3018	ECUX1H330JCV	C. CAPACITOR CH 50V 33P	1	
C3019, 20	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C3022	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3023	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C3024	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3026	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3027	ECUM1A225KBM	C. CAPACITOR CH 10V 2.2U	1	
C3028	ECEV0GA471	E. CAPACITOR CH 4V 470U	1	
C3029	ECEV1AAN100	E. CAPACITOR CH 10V 10U	1	
C3030	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C3031	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3032	ECEV0SA470	E. CAPACITOR CH 4V 47U	1	
C3033	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C3035	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C4001	ECYX1H821JCV	C. CAPACITOR CH 50V 820P	1	
C4002	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C4003	ECUX1H822KBV	C. CAPACITOR CH 50V 8200P	1	
C4008	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C4011	ECEV0SA470	E. CAPACITOR CH 4V 47U	1	
C4012	ECST0JX226Z	T. CAPACITOR CH 6.3V 22U	1	
C4014	ECUX1C223KBV	C. CAPACITOR CH 16V 0.022U	1	
C4015	ECUX1H682KBV	C. CAPACITOR CH 50V 6800P	1	
C4016	ECUM2A472JCM	C. CAPACITOR CH 100V 4700P	1	
C4017	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4019, 20	ECUM1C474KBN	C. CAPACITOR CH 16V 0.47U	2	
C4021, 22	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C4023	ECUX1H272KBV	C. CAPACITOR CH 50V 2700P	1	
C4024	ECST1CY475Z	T. CAPACITOR CH 16V 4.7U	1	
C4025	ECST0JY685Z	T. CAAPCITOR CH 6.3V 6.8U	1	
C4026	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C4027	ECST1AY225Z	T. CAPACITOR CH 10V 2.2U	1	
C4028	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4029	ECUX1H222KBV	C. CAPACITOR CH 50V 2200P	1	
C4030	ECUX1H562KBV	C. CAPACITOR CH 50V 5600P	1	
C4031	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4032	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C4033, 34	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	2	
C4035	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C4036	ECST0JY335Z	T. CAPACITOR CH 6.3V 3.3U	1	
C4040	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4048	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C4049	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C4050	ECEV0SA470	E. CAPACITOR CH 4V 47U	1	
C4051	ECUX1H270JCV	C. CAPACITOR CH 50V 27P	1	
C5001-04	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	4	
C5005-08	ECUX1H270JCV	C. CAPACITOR CH 50V 27P	4	
C5009, 10	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	2	
C5011	ECUM1E473KBN	C. CAPACITOR CH 25V 0.047U	1	
C5012, 13	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C5014	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C5016	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C5017	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C5018	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C5019	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C5020, 21	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	2	
C5022	ECUM1C104KBN	C. CAPACITOR CH 16V 0.1U	1	
C5023	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C5024, 25	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C5041	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1	
C5501, 02	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C5503	ECUX1C473KBV	C. CAPACITOR CH 16V 0.047U	1	
C5504-06	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3	
C5507	ECEV0SA470	E. CAPACITOR CH 4V 47U	1	
C5508	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C5509	ECEV0SA470	E. CAPACITOR CH 4V 47U	1	
C5510	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C5511	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C5512	ECST0GY226Z	T. CAPACITOR CH 4V 22U	1	
C5513	ECUX1C473KBV	C. CAPACITOR CH 16V 0.047U	1	
C5514	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C5515	ECUX1H181JCV	C. CAPACITOR CH 50V 180P	1	
C5516	ECUX1H390JCV	C. CAPACITOR CH 50V 39P	1	
C5517	ECUM1C474KBM	C. CAPACITOR CH 16V 0.47U	1	
C5518	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C5519	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C5520	ECUM1H333KBN	C. CAPACITOR CH 50V 0.033U	1	
C5523	ECUX1H180JCV	C. CAPACITOR CH 50V 18P	1	
C5524	ECUX1H150JCV	C. CAPACITOR CH 50V 15P	1	
C5526	ECUX1H040CCV	C. CAPACITOR CH 50V 4P	1	
C5527	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C5530	ECUX1H331JCV	C. CAPACITOR CH 50V 330P	1	
C5531	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C5533	ECUX1C273KBV	C. CAPACITOR CH 16V 0.027U	1	
C6001-03	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	3	
C6004	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6005	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C6006	ECUX1H080CCV	C. CAPACITOR CH 50V 8P	1	
C6007	ECUX1H150JCV	C. CAPACITOR CH 50V 15P	1	
C6008, 09	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	2	
C6011	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C6012	ECUX1H070DCV	C. CAPACITOR CH 50V 7P	1	
C6013	ECUX1H100CCV	C. CAPACITOR CH 50V 10P	1	
C6014, 15	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	2	
C6017	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C6020	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C6025	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C6027	ECEV0GA101	E. CAPACITOR CH 4V 100U	1	
C6030	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C6031	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C6032	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6036	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C6038	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C6039	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C6040	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6046-48	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3	
C6049, 50	ECEV1CA100	E. CAPACITOR CH 16V 10U	2	
C6051	ECUX1C223KBV	C. CAPACITOR CH 16V 0.022U	1	
C6052	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C6060	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C6061	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6201, 02	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C6203	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C6204	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C6205	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C6206	ECEV0GA101	E. CAPACITOR CH 4V 100U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6207	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C6208	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6209	ECST0JX226Z	T. CAPACITOR CH 6.3V 22U	1	
C6210	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
D202	1SS355	DIODE	1	
D203	RB751V40	DIODE	1	
D204	1SS355	DIODE	1	
D481, 82	RB751V40	DIODE	2	
D1002	EG20QS06	DIODE	1	
D1006, 07	MA111	DIODE	2	
D1015	EC15QS04	DIODE	1	
D3004	1SS355	DIODE	1	
D4004	1SS355	DIODE	1	
D6001, 02	MA132WA	DIODE	2	
D6003	1SS355	DIODE	1	
D6006	RB751V40	DIODE	1	
D6007	MA132WK	DIODE	1	
D6008	1SS355	DIODE	1	
D6016	MA133	DIODE	1	
D6201	1SS355	DIODE	1	
FP302	VJS3654B011	CONNECTOR (FEMALE) 11P	1	
FP701	VJS3319B018	CONNECTOR (FEMALE) 18P	1	
FP2001	VJS3654D007	CONNECTOR (FEMALE) 7P	1	
FP2002	VJS2958B018	CONNECTOR (FEMALE) 18P	1	
FP4001	VJS2958D009	CONNECTOR (FEMALE) 9P	1	
FP4002	VJS3320B026	CONNECTOR (FEMALE) 26P	1	
FP5001	VJS2959B013	CONNECTOR (FEMALE) 13P	1	
FP6001	VJS2959D018	CONNECTOR (FEMALE) 18P	1	
FP6002	VJS2959B006	CONNECTOR (FEMALE) 6P	1	
FP6006	VJS3319B021	CONNECTOR (FEMALE) 21P	1	
IC201	MN5224	IC	1	
IC202	MN31121SA	IC	1	
IC203	NN2035FAQ	IC	1	
IC205	AN1358S	IC	1	
IC301	F436002APZ	IC	1	
IC302	M62367GP	IC	1	
IC701, 02	TB6526F	IC	2	
IC706	NJM2115VA	IC	1	
IC710	MN1882421M9S	IC	1	
IC711	TA75W01FU	IC	1	
IC1001	BA9706K	IC	1	
IC2001	TB6518F	IC	1	
IC2002, 03	MDG05TR	IC	2	
IC3001	HA118403F	IC	1	
IC4001	UPC4572G2	IC	1	
IC5001	AN3355FHP	IC	1	
IC5501	MSM7470-73MS	IC	1	
IC6001	MN675556M9R	IC	1	
IC6002	MM1355XFFE	IC	1	
IC6003	UPD6462GS618	IC	1	
IC6004	AK6440HF	IC	1	
IC6005	BA6289F	IC	1	
IC6006	TA75W393FU	IC	1	
IC6008	TC7W04F	IC	1	
IC6009	TC7S08F	IC	1	
IC6012	TC4W53F	IC	1	
L201	ELJFA330JB	COIL 33UH	1	
L202	VLQ0426J680	COIL 68UH	1	
L203	VLQ0426J820	COIL 82UH	1	
L204	ELJFA220JB	COIL 22UH	1	
L205	VLQ0426J8R2	COIL 8.2UH	1	
L206	ELJFA220JB	COIL 22UH	1	
L208	ELJFA220JB	COIL 22UH	1	
L212	VLQ0426J270	COIL 27UH	1	
L402	VLQ0319K220	COIL 22UH	1	
L403	VLQ0426J470	COIL 47UH	1	
L404	VLQ0319K220	COIL 22UH	1	
L701, 02	VLQ0319K220	COIL 22UH	2	
L703	VLQ0319F150	COIL 15UH	1	
L704, 05	VLQ0319K220	COIL 22UH	2	
L708	VLQ0319K220	COIL 22UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1001	VLQ0759	COIL	1	
L1002	VLQ0760	COIL	1	
L1003	VLQ0763	COIL	1	
L1004	VLQ0319K100	COIL 10UH	1	
L1006	VLQ0319F150	COIL 15UH	1	
L1007	VLQ0761	COIL	1	
L1008	VLQ0319M4R7	COIL 4.7UH	1	
L1010	VLQ0319K100	COIL 10UH	1	
L1011	VLQ0319K101	COIL 100UH	1	
L1014	VLQ0319K100	COIL 10UH	1	
L1015	VLQ0319K470	COIL 47UH	1	
L1062	VLQ0762	COIL	1	
L3002	VLQ0319K100	COIL 10UH	1	
L3003	VLQ0163J820	COIL 82UH	1	
L3021	VLQ0319K470	COIL 47UH	1	
L4005	VLQ0319K101	COIL 100UH	1	
L5001-04	VLQ0319K470	COIL 47UH	4	
L5501	VLQ0319K100	COIL 10UH	1	
L5502	ELJFA100JB	COIL 10UH	1	
L5503	VLQ0426J120	COIL 12UH	1	
L5504	ELJFA390JB	COIL 39UH	1	
L5505	ELJFA150JB	COIL 15UH	1	
L5506	VLQ0319K470	COIL 47UH	1	
L5508	VLQ0163J471	COIL 470UH	1	
L6002	VLQ0319K101	COIL 100UH	1	
LB209, 10	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
LB211	VLP0154	COIL	1	
LB213	VLP0146	COIL	1	
LB301	VLP0323A102	COIL	1	
LB307	VLP0323A102	COIL	1	
LB308	VLP0140	COIL	1	
LB309	VLP0304	COIL	1	
LB6001	VLP0323A102	COIL	1	
PP201	VJP3358C012	CONNECTOR (MALE) 12P	1	
PP401	VJP2962C024	CONNECTOR (MALE) 24P	1	
PP3001	VJP3358C016	CONNECTOR (MALE) 16P	1	
PS1001	VJS2961C024	CONNECTOR (FEMALE) 24P	1	
Q201	2SD2216	TRANSISTOR	1	
Q203	XP4601	TRANSISTOR-TRANSISTOR	1	
Q205	XP4601	TRANSISTOR-TRANSISTOR	1	
Q206	2SD1030	TRANSISTOR	1	
Q404	XP4501	TRANSISTOR-TRANSISTOR	1	
Q405	2SD2216	TRANSISTOR	1	
Q701-03	XN4404	TRANSISTOR	3	
Q704	2SD601A	TRANSISTOR	1	
Q705	2SD2216	TRANSISTOR	1	
Q706	XN4404	TRANSISTOR	1	
Q1001	2SA1731-R	TRANSISTOR	1	
Q1003	MPL1	TRANSISTOR	1	
Q1004	2SD2210	TRANSISTOR	1	
Q1062	MPL1	TRANSISTOR	1	
Q3001	XP4501	TRANSISTOR-TRANSISTOR	1	
Q3002	XP4401	TRANSISTOR	1	
Q3010, 11	2SD2216	TRANSISTOR	2	
Q4002	2SD602-R	TRANSISTOR	1	
Q4003	2SB1219	TRANSISTOR	1	
Q4004	XP4501	TRANSISTOR-TRANSISTOR	1	
Q4006	2SD2216	TRANSISTOR	1	
Q4007	XP4501	TRANSISTOR-TRANSISTOR	1	
Q4009	2SD2216	TRANSISTOR	1	
Q4014	2SB1462	TRANSISTOR	1	
Q4015	2SD2216	TRANSISTOR	1	
Q4019	2SD2216	TRANSISTOR	1	
Q5001, 02	XN4504	TRANSISTOR	2	
Q5003	2SA812	TRANSISTOR	1	
Q5502	2SD2216	TRANSISTOR	1	
Q6002, 03	2SD2216	TRANSISTOR	2	
Q6005	2SD2216	TRANSISTOR	1	
Q6006	2SB1462	TRANSISTOR	1	
Q6008	2SD2216	TRANSISTOR	1	
Q6201	2SB1462	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR401	MRN1103	TRANSISTOR-RESISTOR	1	
QR402	MRN1102	TRANSISTOR-RESISTOR	1	
QR701	MRN1102	TRANSISTOR-RESISTOR	1	
QR1001	MRN2102	TRANSISTOR-RESISTOR	1	
QR1061	MRN2111	TRANSISTOR-RESISTOR	1	
QR2002	MRN1111	TRANSISTOR-RESISTOR	1	
QR3001	MRN1104	TRANSISTOR-RESISTOR	1	
QR4003	MRN2103	TRANSISTOR-RESISTOR	1	
QR4004	XP1215	TRANSISTOR-RESISTOR	1	
QR4005	MRN1104	TRANSISTOR-RESISTOR	1	
QR4008	MRN1104	TRANSISTOR-RESISTOR	1	
QR5502	UN2130X	TRANSISTOR-RESISTOR	1	
QR5503	MRN1103	TRANSISTOR-RESISTOR	1	
QR5504	MRN1104	TRANSISTOR-RESISTOR	1	
QR6003	MRN2103	TRANSISTOR-RESISTOR	1	
QR6004	XP4115	TRANSISTOR-RESISTOR	1	
QR6006	MRN1104	TRANSISTOR-RESISTOR	1	
QR6007	MRN1102	TRANSISTOR-RESISTOR	1	
QR6008	MRN1104	TRANSISTOR-RESISTOR	1	
QR6012	MRN1104	TRANSISTOR-RESISTOR	1	
QR6014	UN9210	TRANSISTOR-RESISTOR	1	
QR6015	MRN1111	TRANSISTOR-RESISTOR	1	
QR6050	XP1211	TRANSISTOR-RESISTOR	1	
R202	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R203	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R204	ERJ3GEYJ391	M. RESISTOR CH 1/16W 390	1	
R205	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R206	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R207, 08	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
R209	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R210	ERJ3GEYJ391	M. RESISTOR CH 1/16W 390	1	
R211	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1	
R212	ERJ3GEYJ335	M. RESISTOR CH 1/16W 3.3M	1	
R213	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1	
R214	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R215	ERJ2RHD753	M. RESISTOR CH 2W 75K	1	
R216	ERJ2RHD153	M. RESISTOR CH 2W 15K	1	
R217	ERJ3GEYG113	M. RESISTOR CH 1/16W 11K	1	
R218	ERJ3GEYG183	M. RESISTOR CH 1/16W 18K	1	
R219	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
R220	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R221	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R224	ERJ3GEYG222	M. RESISTOR CH 1/16W 2.2K	1	
R225	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R226, 27	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	2	
R228	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	
R229	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R233	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R234	ERJ3GEYG131	M. RESISTOR CH 1/16W 130	1	
R235	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	
R236	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R239	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R240, 41	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	2	
R242	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R243	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R244	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R245	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	
R246	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R249	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R250	ERJ3RBD123	M. RESISTOR CH 1/16W 12K	1	
R251	ERJ3RBD223	M. RESISTOR CH 1/16W 22K	1	
R301	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1	
R302	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	
R303	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R304	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R305	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R306	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R307	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R308	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R310	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R312, 13	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
R314	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R315	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R318	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R320	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R321	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R323	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R325	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R327	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	
R333	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R336	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R337	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R406	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R409	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R411	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R412	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R413	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R415	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R417, 18	ERJ3RBD123	M. RESISTOR CH 1/16W 12K	2	
R419	ERJ3RBD223	M. RESISTOR CH 1/16W 22K	1	
R420	ERJ3RBD473	M. RESISTOR CH 1/16W 47K	1	
R423	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R424	ERJ3GEYJ132	M. RESISTOR CH 1/16W 1.3K	1	
R425	ERJ3GEYJ911	M. RESISTOR CH 1/16W 710K	1	
R426	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R428	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R429	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	
R430	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R481	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R701, 02	ERJ3GEYJ3R3	M. RESISTOR CH 1/16W 3.3	2	
R703, 04	ERJ3GEYJ2R2	M. RESISTOR CH 1/16W 2.2	2	
R705, 06	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R707	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R708, 09	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R713	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R716	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R717	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
R718	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R719	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R720, 21	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
R722	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R723	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R724	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R725	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R726	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R727	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R728	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R729	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	
R730	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R732	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R733	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	1	
R734, 35	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	2	
R736	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R737	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	1	
R738	ERJ3GEYJ124	M. RESISTOR CH 1/16W 120K	1	
R740	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R757, 58	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	2	
R761	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R770, 71	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	2	
R1001	ERJ6RBD822	M. RESISTOR CH 1/10W 8.2K	1	
R1002	ERJ6RBD272	M. RESISTOR CH 1/10W 2.7K	1	
R1005	ERJ3RBD472	M. RESISTOR CH 1/16W 4.7K	1	
R1006	ERJ3RBD272	M. RESISTOR CH 1/16W 2.7K	1	
R1007	ERJ8GEYJ330	M. RESISTOR CH 1/8W 33	1	
R1008	ERJ3RBD223	M. RESISTOR CH 1/16W 22K	1	
R1009	ERJ3RBD152	M. RESISTOR CH 1/16W 1.5K	1	
R1012	ERJ6RHD1872	M. RESISTOR CH 1/10W 18.7K	1	
R1013	ERJ6RBD473	M. RESISTOR CH 1/10W 47K	1	
R1014, 15	ERJ6RBB182	M. RESISTOR CH 1/10W 1.8K	2	
R1016	ERJ3RBD153	M. RESISTOR CH 1/16W 15K	1	
R1017	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R1018	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1	
R1019	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R1020	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1	
R1021	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1	
R1022	ERJ3GEYJ150	M. RESISTOR CH 1/16W 15	1	
R1023	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R1024	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1025	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
R1035	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1038	ERJ3RED510	M. RESISTOR CH 1/16W 51	1	
R1039	ERJ3RBD391	M. RESISTOR CH 1/16W 390	1	
R1040	ERJ3RBD121	M. RESISTOR CH 1/16W 120	1	
R1051	ERJ3RBD273	M. RESISTOR CH 1/16W 27K	1	
R1052	ERJ3RBD473	M. RESISTOR CH 1/16W 47K	1	
R1063	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R1065	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R1071	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R1072	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R1073	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R1080	ERJ8GEYOR00	M. RESISTOR CH 1/8W 0	1	
R1085, 86	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
R2001	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R2002	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	1	
R2003	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R2004	ERJ3GEYJ154	M. RESISTOR CH 1/16W 150K	1	
R2005	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
R2006	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R2007	ERJ8GEYJR47	M. RESISTOR CH 1/8W 0.47	1	
R2008	ERJ8GEYJR33	M. RESISTOR CH 1/8W 0.33	1	
R2009	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	
R2010	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R2012	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	1	
R2015	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R2016	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R2017	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R2018	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R2019, 20	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	2	
R2021	ERJ6GEYG101	M. RESISTOR CH 1/10W 100	1	
R2022	ERJ8GEYJR33	M. RESISTOR CH 1/8W 0.33	1	
R2024	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R2040-42	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	3	
R3001	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R3002	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R3004	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R3005	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
R3006	ERJ2RHD682	M. RESISTOR CH 2W 6.8K	1	
R3007	ERJ2RHD222	M. RESISTOR CH 2W 2.2K	1	
R3008	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R3009	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R3010	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R3013	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R3017	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R3018	ERJ3GEYJ225	M. RESISTOR CH 1/16W 2.2M	1	
R3020	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	
R3022	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R3023	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R3025	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R3026	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	
R3031, 32	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
R3034	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R3057	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R3058	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R3059	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	
R3060	ERJ2RKD620	M. RESISTOR CH 1/16W 62	1	
R3063	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R4001	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	
R4002	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R4003	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
R4004	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R4005	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	1	
R4006	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4007	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4008	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R4009	ERJ3GEYJ225	M. RESISTOR CH 1/16W 2.2M	1	
R4010	ERJ3GEYJ271	M. RESISTOR CH 1/16W 270	1	
R4011	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4012	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R4013	ERJ3GEYJ680	M. RESISTOR CH 1/16W 68	1	
R4014	ERJ3RBD123	M. RESISTOR CH 1/16W 12K	1	
R4015, 16	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	2	
R4019	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	
R4023	ERJ3GEYJ163	M. RESISTOR CH 1/16W 16K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4025	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R4026	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	1	
R4027, 28	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
R4029	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
R4030	ERJ3RBD223	M. RESISTOR CH 1/16W 22K	1	
R4031	ERJ3RBD203	M. RESISTOR CH 1/16W 20K	1	
R4032	ERJ3RBD181	M. RESISTOR CH 1/16W 180	1	
R4033	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R4034	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R4035	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R4036	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R4037	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R4038	ERJ3GEYJ680	M. RESISTOR CH 1/16W 68	1	
R4039	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	1	
R4040	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R4041	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1	
R4042	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	
R4043-45	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	3	
R4054	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R4060	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	
R4068	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R4069	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R4070	ERJ3GEYJ432	M. RESISTOR CH 1/16W 4.3K	1	
R4071	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R4072	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	
R4073	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4074	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R4075	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1	
R5001	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	
R5002, 03	ERJ3GEYJ680	M. RESISTOR CH 1/16W 68	2	
R5004	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	
R5005	ERJ2RHD113	M. RESISTOR CH 2W 11K	1	
R5007	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	
R5008	ERJ6GEYJ4R7	M. RESISTOR CH 1/10W 4.7	1	
R5009	ERJ3GEYJ274	M. RESISTOR CH 1/16W 270K	1	
R5052	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R5500	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R5501	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1	
R5504	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R5505	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R5508	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R5509	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R5510	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R5513	ERJ3GEYJ225	M. RESISTOR CH 1/16W 2.2M	1	
R5514, 15	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
R5516, 17	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	2	
R5520	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R5521	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R6001	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	
R6002	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R6003	ERJ3GEYJ274	M. RESISTOR CH 1/16W 270K	1	
R6004	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
R6006	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R6007	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
R6008	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R6009	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R6010	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R6011	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R6013	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R6014	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R6015	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R6016	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R6018	ERJ3GEYOR00	M. RESISTOR CH 1/16W 0	1	
R6020	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R6021	ERJ8GEYJ120	M. RESISTOR CH 1/8W 12	1	
R6022	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R6023	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R6024	ERJ8GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R6026	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R6027	ERJ6GEYG221	M. RESISTOR CH 1/10W 220	1	
R6028	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R6029	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R6030	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R6032	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R6033	ERJ3GEYJ181	M. RESISTOR CH 1/16W 180	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6034	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6035	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6037,38	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6039	ERJ8GEYJ2R2	M.RESISTOR CH 1/8W 2.2	1	
R6040	ERJ2RHD104	M.RESISTOR CH 2W 100K	1	
R6042	ERJ2RHD223	M.RESISTOR CH 2W 22K	1	
R6043	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6044	ERJ2RHD153	M.RESISTOR CH 2W 15K	1	
R6045	ERJ2RHD123	M.RESISTOR CH 2W 12K	1	
R6046	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6047	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6048	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R6049	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6050,51	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R6052-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6055	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6056	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6057,58	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R6059	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6061	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6062,63	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R6064	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6065	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R6067	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R6068	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6069	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R6080	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6082	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6085	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6086	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6087	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6089	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R6091	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R6095	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R6201	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6202	ERJ8GEYJ2R2	M.RESISTOR CH 1/8W 2.2	1	
R6203	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6205	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6206-08	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	3	
R6209	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6210	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R6211	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
RA6001	EXBV8V102J	RESISTOR ARRAY	1	
RA6002	EXBV8V473J	RESISTOR ARRAY	1	
RA6003	EXBV4V102J	RESISTOR ARRAY	1	
RA6004,05	EXBV8V102J	RESISTOR ARRAY	2	
RA6006	EXBV4V473J	RESISTOR ARRAY	1	
RA6008	EXBV4V104J	RESISTOR ARRAY	1	
RA6009	EXBV4V102J	RESISTOR ARRAY	1	
RA6010	EXBV4V473J	RESISTOR ARRAY	1	
RA6011	EXBV4V102J	RESISTOR ARRAY	1	
RA6013	EXBV8V102J	RESISTOR ARRAY	1	
RA6014	EXBV8V473J	RESISTOR ARRAY	1	
RA6015	EXBV8V683J	RESISTOR ARRAY	1	
T1001	ELL04T061R	CHOKE COIL	1	
T1002	VTP0357	CRYSTAL OSCILLATOR	1	
T4001	EIQ6QB008	TRANSFORMER	1	
VC308	ECRJA020E11	TRIMMER 2P	1	
W201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
W209	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
W213,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
W217	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
W302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
W303	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W305,06	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
W701	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
W3004	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
W3007,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
W6001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
X301	VSX0564	CRYSTAL OSCILLATOR	1	
X701	EFOS1205E5	CERAMIC OSCILLATOR	1	
X5501	VSX0794	CRYSTAL OSCILLATOR	1	
X6001	VSX0654	CRYSTAL OSCILLATOR	1	
X6002	VSX0601	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VSC4419	POWER SHIELD COVER(TOP)	1	
	VSC4420	POWER SHIELD COVER(BOTT.)	1	
	VSC4622	CAMERA SHIELD COVER(BOTT)	1	
	VMZ2278	SCREW BARRIER	1	
■	VEP23432A	CAMERA/MAIN G.B.A.		(RTL)
				NV-RX19B
				NV-RX20EG/EN/ENH/EU
C201	ECST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C202	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C203	ECST0JY156Z	T.CAPACITOR CH 6.3V 15U	1	
C204	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C205	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C206-12	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	7	
C213	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C214	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C216	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C218	ECST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C219	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C220	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C221	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C222	ECST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C223	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C224	ECST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C225	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C226	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C227	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C228	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C229	ECST1GX155Z	T.CAPACITOR CH 4V 2.2U	1	
C230	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C231,32	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C235,36	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C238	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C243	ECEV0JA101	E.CAPACITOR CH 6.3V 100U	1	
C244	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C301,02	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C304	ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C306	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C307	ECUX1H080CGV	C.CAPACITOR CH 50V 8P	1	
C309	ECST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C310	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C311	ECST1AY225Z	T.CAPACITOR CH 10V 2.2U	1	
C312	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C321	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C322	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C403	ECST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C405	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C406	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C407,08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C409	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C410	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C411	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C412	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C413	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C414	ECST1CY105Z	T.CAPACITOR CH 16V 1U	1	
C415	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C416	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C417	ECST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C418	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C701	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C703	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C704	ECST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	
C705	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C706,07	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C708,09	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	
C711	ECEV1CA470	E.CAPACITOR CH 16V 47U	1	
C712	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C713	ECUX1H332KBV	C. CAPACITOR CH 50V 3300P	1	
C714	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C715	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C716	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C718	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C719	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C720	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C721	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C722	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C724	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C726, 27	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C1002	ECUM1A225KBM	C. CAPACITOR CH 10V 2.2U	1	
C1003	ECUM1A335KBM	C. CAPACITOR CH 10V 3.3U	1	
C1004	ECUX1H331JCV	C. CAPACITOR CH 50V 330P	1	
C1005	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C1008	ECUM1A335KBM	C. CAPACITOR CH 10V 3.3U	1	
C1009	ECUX1H331JCV	C. CAPACITOR CH 50V 330P	1	
C1010	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C1012	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C1014	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C1017	ECUM1E105KB	C. CAPACITOR CH 25V 1U	1	
C1019	ECUM1E334KBM	C. CAPACITOR CH 25V 0.33U	1	
C1020	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C1022	ECUM1H104ZFN	C. CAPACITOR CH 50V 0.1U	1	
C1024	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C1025	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C1026	ECEV1HA010	E. CAPACITOR CH 50V 1U	1	
C1027	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1	
C1028	ECEV1HAR47	E. CAPACITOR CH 50V 0.47U	1	
C1029	ECUX1H471JCV	C. CAPACITOR CH 50V 470P	1	
C1030	ECUX1H822KBV	C. CAPACITOR CH 50V 8200P	1	
C1031	ECUX1H471JCV	C. CAPACITOR CH 50V 470P	1	
C1032	ECUX1H822KBV	C. CAPACITOR CH 50V 8200P	1	
C1033-35	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	3	
C1036	ECUX1H471JCV	C. CAPACITOR CH 50V 470P	1	
C1037	ECUX1H822KBV	C. CAPACITOR CH 50V 8200P	1	
C1040, 41	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C1051	ECUM1C334KBN	C. CAPACITOR CH 16V 0.33U	1	
C1055	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C1057	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C1064	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C1066	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C1071	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C1073	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C1080, 81	ECUX1C473KBV	C. CAPACITOR CH 16V 0.047U	2	
C1112	ECUM1A225KBM	C. CAPACITOR CH 10V 2.2U	1	
C2001, 02	ECEV1HA010	E. CAPACITOR CH 50V 1U	2	
C2003	ECUX1H332KBV	C. CAPACITOR CH 50V 3300P	1	
C2004	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1	
C2005	ECUX1H152KBV	C. CAPACITOR CH 50V 1500P	1	
C2007	ECEV1HA010	E. CAPACITOR CH 50V 1U	1	
C2009	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C2010	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C2011	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1	
C2012, 13	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C2014	ECEV1CA100	E. CAPACITOR CH 16V 10U	1	
C2015-17	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	3	
C2018	ECEV0JA220	E. CAPACITOR CH 6.3V 22U	1	
C2020-22	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3	
C2023	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C2025-27	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	3	
C2028	ECEV0JA220	E. CAPACITOR CH 6.3V 22U	1	
C2029	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C2033	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C2040-42	ECUX1C473KBV	C. CAPACITOR CH 16V 0.047U	3	
C2043	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C2070	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C3001	ECUX1H680JCV	C. CAPACITOR CH 50V 68P	1	
C3004	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3005	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C3006	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C3008	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3009, 10	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C3016	ECUX1H151JCV	C. CAPACITOR CH 50V 150P	1	
C3017	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3018	ECUX1H330JCV	C. CAPACITOR CH 50V 33P	1	
C3019, 20	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C3022	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3023	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C3024	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3026	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3027	ECUM1A225KBM	C. CAPACITOR CH 10V 2.2U	1	
C3028	ECEV0GA471	E. CAPACITOR CH 4V 470U	1	
C3029	ECEV1AAN100	E. CAPACITOR CH 10V 10U	1	
C3030	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C3031	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C3032	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C3033	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C3035	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C4001	ECYX1H821JCV	C. CAPACITOR CH 50V 820P	1	
C4002	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C4003	ECUX1H822KBV	C. CAPACITOR CH 50V 8200P	1	
C4008	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C4011	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C4012	ECST0JX226Z	T. CAPACITOR CH 6.3V 22U	1	
C4014	ECUX1C223KBV	C. CAPACITOR CH 16V 0.022U	1	
C4015	ECUX1H682KBV	C. CAPACITOR CH 50V 6800P	1	
C4016	ECUM2A472JCM	C. CAPACITOR CH 100V 4700P	1	
C4017	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4019, 20	ECUM1C474KBM	C. CAPACITOR CH 16V 0.47U	2	
C4021, 22	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C4023	ECUX1H272KBV	C. CAPACITOR CH 50V 2700P	1	
C4024	ECST1CY475Z	T. CAPACITOR CH 16V 4.7U	1	
C4025	ECST0JY685Z	T. CAAPCITOR CH 6.3V 6.8U	1	
C4026	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C4027	ECST1AY225Z	T. CAPACITOR CH 10V 2.2U	1	
C4028	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4029	ECUX1H222KBV	C. CAPACITOR CH 50V 2200P	1	
C4030	ECUX1H562KBV	C. CAPACITOR CH 50V 5600P	1	
C4031	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C4032	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C4033, 34	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	2	
C4035	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C4036	ECST0JY335Z	T. CAPACITOR CH 6.3V 3.3U	1	
C4040	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C4045-47	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	3	
C4048	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C4049	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C4050	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C4051	ECUX1H270JCV	C. CAPACITOR CH 50V 27P	1	
C5001-04	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	4	
C5005-08	ECUX1H270JCV	C. CAPACITOR CH 50V 27P	4	
C5009, 10	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	2	
C5011	ECUM1E473KBN	C. CAPACITOR CH 25V 0.047U	1	
C5012, 13	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C5014	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C5016	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C5017	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C5018	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C5019	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C5020, 21	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	2	
C5022	ECUM1C104KBN	C. CAPACITOR CH 16V 0.1U	1	
C5023	ECUX1H103ZFV	C. CAPACITOR CH 50V 0.01U	1	
C5024, 25	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C5041	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1	
C5501, 02	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C5503	ECUX1C473KBV	C. CAPACITOR CH 16V 0.047U	1	
C5504-06	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3	
C5507	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C5508	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C5509	ECEV05A470	E. CAPACITOR CH 4V 47U	1	
C5510	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C5511	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C5512	ECST0GY226Z	T. CAPACITOR CH 4V 22U	1	
C5513	ECUX1C473KBV	C. CAPACITOR CH 16V 0.047U	1	
C5514	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C5515	ECUX1H181JCV	C. CAPACITOR CH 50V 180P	1	
C5516	ECUX1H390JCV	C. CAPACITOR CH 50V 39P	1	
C5517	ECUM1C474KBM	C. CAPACITOR CH 16V 0.47U	1	
C5518	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C5519	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C5520	ECUM1H333KBN	C. CAPACITOR CH 50V 0.033U	1	
C5523	ECUX1H180JCV	C. CAPACITOR CH 50V 18P	1	
C5524	ECUX1H150JCV	C. CAPACITOR CH 50V 15P	1	
C5526	ECUX1H040CCV	C. CAPACITOR CH 50V 4P	1	
C5527	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C5530	ECUX1H331JCV	C. CAPACITOR CH 50V 330P	1	
C5531	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C5533	ECUX1C273KBV	C. CAPACITOR CH 16V 0.027U	1	
C6001-03	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	3	
C6004	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6005	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C6006	ECUX1H080CCV	C. CAPACITOR CH 50V 8P	1	
C6007	ECUX1H150JCV	C. CAPACITOR CH 50V 15P	1	
C6008, 09	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	2	
C6011	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C6012	ECUX1H070DCV	C. CAPACITOR CH 50V 7P	1	
C6013	ECUX1H100CCV	C. CAPACITOR CH 50V 10P	1	
C6014, 15	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	2	
C6017	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C6020	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C6025	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C6027	ECEV0GA101	E. CAPACITOR CH 4V 100U	1	
C6029	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C6030	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C6031	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C6032	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6033, 34	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	2	
C6035	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	
C6036	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C6038	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C6039	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C6040	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6042	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C6046-48	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	3	
C6049, 50	ECEV1CA100	E. CAPACITOR CH 16V 10U	2	
C6051	ECUX1C223KBV	C. CAPACITOR CH 16V 0.022U	1	
C6052	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1	
C6060	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	
C6061	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6100	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C6201, 02	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	2	
C6203	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
C6204	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
C6205	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	
C6206	ECEV0GA101	E. CAPACITOR CH 4V 100U	1	
C6207	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C6208	ECUX1C104KBV	C. CAPACITOR CH 16V 0.1U	1	
C6209	ECST0JX226Z	T. CAPACITOR CH 6.3V 22U	1	
C6210	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	
D202	1SS355	DIODE	1	
D203	RB751V40	DIODE	1	
D204	1SS355	DIODE	1	
D481, 82	RB751V40	DIODE	2	
D1002	EG20QS06	DIODE	1	
D1006, 07	MA111	DIODE	2	
D1015	EG15QS04	DIODE	1	
D3004	1SS355	DIODE	1	
D4004	1SS355	DIODE	1	
D6001, 02	MA132WA	DIODE	2	
D6003	1SS355	DIODE	1	
D6006	RB751V40	DIODE	1	
D6007	MA132WK	DIODE	1	
D6008	1SS355	DIODE	1	
D6009	MA133	DIODE	1	
D6010	1SS355	DIODE	1	
D6016	MA133	DIODE	1	
D6201	1SS355	DIODE	1	
FP302	VJS3654B011	CONNECTOR (FEMALE) 11P	1	
FP701	VJS3319B018	CONNECTOR (FEMALE) 18P	1	
FP2001	VJS3654D007	CONNECTOR (FEMALE) 7P	1	
FP2002	VJS2958B018	CONNECTOR (FEMALE) 18P	1	
FP4001	VJS2958D009	CONNECTOR (FEMALE) 9P	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
FP4002	VJS3320B026	CONNECTOR (FEMALE) 26P	1	
FP5001	VJS2959B013	CONNECTOR (FEMALE) 13P	1	
FP6001	VJS2959D018	CONNECTOR (FEMALE) 18P	1	
FP6002	VJS2959B006	CONNECTOR (FEMALE) 6P	1	
FP6006	VJS3319B021	CONNECTOR (FEMALE) 21P	1	
IC201	MN5224	IC	1	
IC202	MN31121SA	IC	1	
IC203	NN2035FAQ	IC	1	
IC205	AN1358S	IC	1	
IC301	F436002APZ	IC	1	
IC302	M62367GP	IC	1	
IC701, 02	TB6526F	IC	2	
IC706	NJM2115VA	IC	1	
IC710	MN1882421M9S	IC	1	
IC711	TA75W01FU	IC	1	
IC1001	BA9706K	IC	1	
IC2001	TB6518F	IC	1	
IC2002, 03	MDC05TR	IC	2	
IC3001	HA118403F	IC	1	
IC4001	UPG4572G2	IC	1	
IC5001	AN3355FHP	IC	1	
IC5501	MSM7470-73MS	IC	1	
IC6001	MN675556M9R	IC	1	
IC6002	MM1355XFFE	IC	1	
IC6003	UPD6462GS618	IC	1	
IC6004	AK6440HF	IC	1	
IC6005	BA6289F	IC	1	
IC6006	TA75W393FU	IC	1	
IC6008	TC7W04F	IC	1	
IC6009	TC7S08F	IC	1	
IC6011	UPD75G4G557	IC	1	
IC6012	TC4W53F	IC	1	
L201	ELJFA330JB	COIL 33UH	1	
L202	VLQ0426J680	COIL 68UH	1	
L203	VLQ0426J820	COIL 82UH	1	
L204	ELJFA220JB	COIL 22UH	1	
L205	VLQ0426J8R2	COIL 8.2UH	1	
L206	ELJFA220JB	COIL 22UH	1	
L208	ELJFA220JB	COIL 22UH	1	
L212	VLQ0426J270	COIL 27UH	1	
L402	VLQ0319K220	COIL 22UH	1	
L403	VLQ0426J470	COIL 47UH	1	
L404	VLQ0319K220	COIL 22UH	1	
L701, 02	VLQ0319K220	COIL 22UH	2	
L703	VLQ0319F150	COIL 15UH	1	
L704, 05	VLQ0319K220	COIL 22UH	2	
L708	VLQ0319K220	COIL 22UH	1	
L1001	VLQ0759	COIL	1	
L1002	VLQ0760	COIL	1	
L1003	VLQ0763	COIL	1	
L1004	VLQ0319K100	COIL 10UH	1	
L1006	VLQ0319F150	COIL 15UH	1	
L1007	VLQ0761	COIL	1	
L1008	VLQ0319M4R7	COIL 4.7UH	1	
L1010	VLQ0319K100	COIL 10UH	1	
L1011	VLQ0319K101	COIL 100UH	1	
L1014	VLQ0319K100	COIL 10UH	1	
L1015	VLQ0319K470	COIL 47UH	1	
L1062	VLQ0762	COIL	1	
L3002	VLQ0319K100	COIL 10UH	1	
L3003	VLQ0163J820	COIL 82UH	1	
L3021	VLQ0319K470	COIL 47UH	1	
L4005	VLQ0319K101	COIL 100UH	1	
L5001-04	VLQ0319K470	COIL 47UH	4	
L5501	VLQ0319K100	COIL 10UH	1	
L5502	ELJFA100JB	COIL 10UH	1	
L5503	VLQ0426J120	COIL 12UH	1	
L5504	ELJFA390JB	COIL 39UH	1	
L5505	ELJFA150JB	COIL 15UH	1	
L5506	VLQ0319K470	COIL 47UH	1	
L5508	VLQ0163J471	COIL 470UH	1	
L6002	VLQ0319K101	COIL 100UH	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
LB209, 10	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	2	
LB211	VLP0154	COIL	1	
LB213	VLP0146	COIL	1	
LB301	VLP0323A102	COIL	1	
LB307	VLP0323A102	COIL	1	
LB308	VLP0140	COIL	1	
LB309	VLP0304	COIL	1	
LB6001	VLP0323A102	COIL	1	
PP201	VJP3358C012	CONNECTOR (MALE) 12P	1	
PP401	VJP2962C024	CONNECTOR (MALE) 24P	1	
PP3001	VJP3358C016	CONNECTOR (MALE) 16P	1	
PS1001	VJS2961C024	CONNECTOR (FEMALE) 24P	1	
Q201	2SD2216	TRANSISTOR	1	
Q203	XP4601	TRANSISTOR-TRANSISTOR	1	
Q205	XP4601	TRANSISTOR-TRANSISTOR	1	
Q206	2SD1030	TRANSISTOR	1	
Q404	XP4501	TRANSISTOR-TRANSISTOR	1	
Q405	2SD2216	TRANSISTOR	1	
Q701-03	XN4404	TRANSISTOR	3	
Q704	2SD601A	TRANSISTOR	1	
Q705	2SD2216	TRANSISTOR	1	
Q706	XN4404	TRANSISTOR	1	
Q1001	2SA1731-R	TRANSISTOR	1	
Q1003	MPL1	TRANSISTOR	1	
Q1004	2SD2210	TRANSISTOR	1	
Q1062	MPL1	TRANSISTOR	1	
Q3001	XP4501	TRANSISTOR-TRANSISTOR	1	
Q3002	XP4401	TRANSISTOR	1	
Q3010, 11	2SD2216	TRANSISTOR	2	
Q4002	2SD602-R	TRANSISTOR	1	
Q4003	2SB1219	TRANSISTOR	1	
Q4004	XP4501	TRANSISTOR-TRANSISTOR	1	
Q4006	2SD2216	TRANSISTOR	1	
Q4007	XP4501	TRANSISTOR-TRANSISTOR	1	
Q4009	2SD2216	TRANSISTOR	1	
Q4012	2SD2216	TRANSISTOR	1	
Q4014	2SB1462	TRANSISTOR	1	
Q4015, 16	2SD2216	TRANSISTOR	2	
Q4017, 18	2SD1328-S	TRANSISTOR	2	
Q4019	2SD2216	TRANSISTOR	1	
Q5001, 02	XN4504	TRANSISTOR	2	
Q5003	2SA812	TRANSISTOR	1	
Q5502	2SD2216	TRANSISTOR	1	
Q6002, 03	2SD2216	TRANSISTOR	2	
Q6005	2SD2216	TRANSISTOR	1	
Q6006	2SB1462	TRANSISTOR	1	
Q6007, 08	2SD2216	TRANSISTOR	2	
Q6201	2SB1462	TRANSISTOR	1	
QR401	MRN1103	TRANSISTOR-RESISTOR	1	
QR402	MRN1102	TRANSISTOR-RESISTOR	1	
QR701	MRN1102	TRANSISTOR-RESISTOR	1	
QR1001	MRN2102	TRANSISTOR-RESISTOR	1	
QR1061	MRN2111	TRANSISTOR-RESISTOR	1	
QR2002	MRN1111	TRANSISTOR-RESISTOR	1	
QR3001	MRN1104	TRANSISTOR-RESISTOR	1	
QR4003	MRN2103	TRANSISTOR-RESISTOR	1	
QR4004	XP1215	TRANSISTOR-RESISTOR	1	
QR4005	MRN1104	TRANSISTOR-RESISTOR	1	
QR4008	MRN1104	TRANSISTOR-RESISTOR	1	
QR5502	UN2130X	TRANSISTOR-RESISTOR	1	
QR5503	MRN1103	TRANSISTOR-RESISTOR	1	
QR5504	MRN1104	TRANSISTOR-RESISTOR	1	
QR6001	MRN2111	TRANSISTOR-RESISTOR	1	
QR6003	MRN2103	TRANSISTOR-RESISTOR	1	
QR6004	XP4115	TRANSISTOR-RESISTOR	1	
QR6006	MRN1104	TRANSISTOR-RESISTOR	1	
QR6007	MRN1102	TRANSISTOR-RESISTOR	1	
QR6008	MRN1104	TRANSISTOR-RESISTOR	1	
QR6012	MRN1104	TRANSISTOR-RESISTOR	1	
QR6014	UN9210	TRANSISTOR-RESISTOR	1	
QR6015	MRN1111	TRANSISTOR-RESISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
QR6050	XP1211	TRANSISTOR-RESISTOR	1	
R202	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R203	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R204	ERJ3GEYJ391	M. RESISTOR CH 1/16W 390	1	
R205	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R206	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R207, 08	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
R209	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R210	ERJ3GEYJ391	M. RESISTOR CH 1/16W 390	1	
R211	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1	
R212	ERJ3GEYJ335	M. RESISTOR CH 1/16W 3.3M	1	
R213	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1	
R214	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R215	ERJ2RHD753	M. RESISTOR CH 2W 75K	1	
R216	ERJ2RHD153	M. RESISTOR CH 2W 15K	1	
R217	ERJ3GEYG113	M. RESISTOR CH 1/16W 11K	1	
R218	ERJ3GEYG183	M. RESISTOR CH 1/16W 18K	1	
R219	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
R220	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R221	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R224	ERJ3GEYG222	M. RESISTOR CH 1/16W 2.2K	1	
R225	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R226, 27	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	2	
R228	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	
R229	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1	
R233	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R234	ERJ3GEYG131	M. RESISTOR CH 1/16W 130	1	
R235	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	
R236	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R239	ERJ3GEYG471	M. RESISTOR CH 1/16W 470	1	
R240, 41	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	2	
R242	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R243	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R244	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R245	ERJ3GEYJ561	M. RESISTOR CH 1/16W 560	1	
R246	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R249	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
R250	ERJ3RBD123	M. RESISTOR CH 1/16W 12K	1	
R251	ERJ3RBD223	M. RESISTOR CH 1/16W 22K	1	
R301	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1	
R302	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	
R303	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R304	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R305	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R306	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R307	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R308	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R310	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R312, 13	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	2	
R314	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R315	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R318	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
R320	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R321	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R323	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R325	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R327	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	
R333	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R336	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	1	
R337	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R406	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R409	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R411	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R412	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	
R413	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R415	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R417, 18	ERJ3RBD123	M. RESISTOR CH 1/16W 12K	2	
R419	ERJ3RBD223	M. RESISTOR CH 1/16W 22K	1	
R420	ERJ3RBD473	M. RESISTOR CH 1/16W 47K	1	
R423	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R424	ERJ3GEYJ132	M. RESISTOR CH 1/16W 1.3K	1	
R425	ERJ3GEYJ911	M. RESISTOR CH 1/16W 710K	1	
R426	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
R428	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R429	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R430	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R481	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R701,02	ERJ3GEYJ3R3	M.RESISTOR CH 1/16W 3.3	2	
R703,04	ERJ3GEYJ2R2	M.RESISTOR CH 1/16W 2.2	2	
R705,06	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R707	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R708,09	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R713	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R716	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R717	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R718	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R719	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R720,21	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R722	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R723	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R724	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R725	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R726	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R727	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R728	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R729	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R730	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R732	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R733	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R734,35	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R736	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R737	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R738	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R740	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R757,58	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	2	
R761	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R770,71	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	2	
R1001	ERJ6RBD822	M.RESISTOR CH 1/10W 8.2K	1	
R1002	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R1005	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1006	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R1007	ERJ8GEYJ330	M.RESISTOR CH 1/8W 33	1	
R1008	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1009	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R1012	ERJ6RHD1872	M.RESISTOR CH 1/10W 18.7K	1	
R1013	ERJ6RBD473	M.RESISTOR CH 1/10W 47K	1	
R1014,15	ERJ6RBB182	M.RESISTOR CH 1/10W 1.8K	2	
R1016	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R1017	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1018	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R1019	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1020	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R1021	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1022	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	
R1023	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R1024	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1025	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1035	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1038	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R1039	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R1040	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R1051	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R1052	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R1063	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1065	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1071	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1072	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1073	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1080	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R1085,86	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2002	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R2003	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R2004	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R2005	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2006	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R2007	ERJ8GEYJR47	M.RESISTOR CH 1/8W 0.47	1	
R2008	ERJ8GEYJR33	M.RESISTOR CH 1/8W 0.33	1	
R2009	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2010	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2012	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R2015	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2016	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R2017	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2018	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2019,20	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R2021	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R2022	ERJ8GEYJR33	M.RESISTOR CH 1/8W 0.33	1	
R2024	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2040-42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	3	
R3001	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3004	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3005	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3006	ERJ2RHD682	M.RESISTOR CH 2W 6.8K	1	
R3007	ERJ2RHD222	M.RESISTOR CH 2W 2.2K	1	
R3008	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3009	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3010	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3013	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3018	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	1	
R3020	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3022	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3023	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3025	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3026	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3031,32	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3034	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3057	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3058	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3059	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3060	ERJ2RKD620	M.RESISTOR CH 2W 62	1	
R3063	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4001	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4002	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4003	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4004	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4005	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R4006	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4007	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4008	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4009	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	1	
R4010	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R4011	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4012	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4013	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R4014	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4015,16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4019	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4023	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R4025	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4026	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R4027,28	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4029	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4030	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4031	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R4032	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R4033	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4034	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4035	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4036	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4037	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R4038	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R4039	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R4040	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4041	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4042	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4043-45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4050	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4052	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4053	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4054	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4060	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4061	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R4062	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4063	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R4064	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4065	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4066	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4067	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4069	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4070	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R4071	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4072	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4073	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4074	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R4075	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R5001	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5002,03	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R5004	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5005	ERJ2RHD113	M.RESISTOR CH 2W 11K	1	
R5007	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R5008	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7	1	
R5009	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R5052	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5500	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5501	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R5504	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R5505	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5508	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5509	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5513	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	1	
R5514,15	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5516,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5520	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5521	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6001	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R6002	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6003	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R6004	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R6006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6007	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6008	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6009	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6010	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6011	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6013	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6014	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6015	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6016	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6018	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6020	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6021	ERJ8GEYJ120	M.RESISTOR CH 1/8W 12	1	
R6022	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6023	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6024	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6026	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6027	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R6028	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6029	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6030	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6032	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6033	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R6034	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6035	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6037,38	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6039	ERJ8GEYJ2R2	M.RESISTOR CH 1/8W 2.2	1	
R6040	ERJ2RHD104	M.RESISTOR CH 2W 100K	1	
R6042	ERJ2RHD223	M.RESISTOR CH 2W 22K	1	
R6043	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6044	ERJ2RHD153	M.RESISTOR CH 2W 15K	1	
R6045	ERJ2RHD123	M.RESISTOR CH 2W 12K	1	
R6046	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6047	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6048	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R6049	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6050,51	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6052-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6055	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6056	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6057,58	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R6059	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6061	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6062,63	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R6064	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6065	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R6067	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R6068	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6069	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R6080	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6082	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6085	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6086	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6087	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6089	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R6091	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R6095	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R6097	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6098,99	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R6100	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6113,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6201	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6202	ERJ8GEYJ2R2	M.RESISTOR CH 1/8W 2.2	1	
R6203	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6205	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6206-08	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	3	
R6209	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6210	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R6211	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
RA6001	EXBV8V102J	RESISTOR ARRAY	1	
RA6002	EXBV8V473J	RESISTOR ARRAY	1	
RA6003	EXBV4V102J	RESISTOR ARRAY	1	
RA6004,05	EXBV8V102J	RESISTOR ARRAY	2	
RA6006	EXBV4V473J	RESISTOR ARRAY	1	
RA6008	EXBV4V104J	RESISTOR ARRAY	1	
RA6009	EXBV4V102J	RESISTOR ARRAY	1	
RA6010	EXBV4V473J	RESISTOR ARRAY	1	
RA6011	EXBV4V102J	RESISTOR ARRAY	1	
RA6013	EXBV8V102J	RESISTOR ARRAY	1	
RA6014	EXBV8V473J	RESISTOR ARRAY	1	
RA6015	EXBV8V683J	RESISTOR ARRAY	1	
T1001	ELL04T061R	CHOKE COIL	1	
T1002	VTP0357	CRYSTAL OSCILLATOR	1	
T4001	EI060B008	TRANSFORMER	1	
VC308	ECRJA020E11	TRIMMER 2P	1	
W201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
W209	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
W213,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
W217	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
W302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
W303	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W305,06	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
W701	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
W3004	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
W3007,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
W6001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
X301	VSX0564	CRYSTAL OSCILLATOR	1	
X701	EFOS1205E5	CERAMIC OSCILLATOR	1	
X5501	VSX0794	CRYSTAL OSCILLATOR	1	
X6001	VSX0654	CRYSTAL OSCILLATOR	1	
X6002	VSX0601	CRYSTAL OSCILLATOR	1	
X6003	VSX0678	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VSC4419	POWER SHIELD COVER(BOTT)	1	
	VSC4420	POWER SHIELD COVER(BOTT)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VSG4622	CAMERA SHIELD COVER(BOTT)	1	
	VMZ2278	SCREW BARRIER	1	
■	VEP28229M	E.V.F. C.B.A.		(RTL)
				NV-RX9B
				NV-RX10EG/A/EN/ENH/EU
C801	ECQV1H104JL	P.CAPACITOR 50V 0.1U	1	
C802-04	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	3	
C805	ECEA0JKE221	E.CAPACITOR 6.3V 220U	1	
C806	ECUX1C123KBV	C.CAPACITOR CH 16V 0.012U	1	
C807	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C809	ECA1CKF470	E.CAPACITOR 16V 47U	1	
C810	ECUM2A512JUM	C.CAPACITOR CH 100V 5100P	1	
C811	ECEA1CKE101	E.CAPACITOR 16V 100U	1	
C812	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C813	ECUM2J221KBM	C.CAPACITOR CH 630V 220P	1	
C814	ECEA1HSN010	E.CAPACITOR 50V 1U	1	
C815	ECUM2H331KBM	C.CAPACITOR CH 500V 330P	1	
C816	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C817	ECUM2A331JUM	C.CAPACITOR CH 100V 330P	1	
C818	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C831	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1603	ECEV1CA220	E.CAPACITOR CH 16V 22U	1	
D803	MA142WA	DIODE	1	
D1601	MA8130M	DIODE	1	
D1603	MA8130M	DIODE	1	
IC801	AN2516S	IC	1	
J1601	VEK7724	RFU	1	
L801	VLQ0319K100	COIL 10UH	1	
L802	ELH5L244	COIL	1	
L804	VLQ0163J680	COIL 68UH	1	
L805	VLQ0319K100	COIL 10UH	1	
L806	VLQ0426J330	COIL 33UH	1	
L1601,02	VLP0307	COIL	2	
P801	VJP1597T	CONNECTOR (MALE) 4P	1	
P803	VJP1596T	CONNECTOR (MALE) 3P	1	
P804	VJP1242T	CONNECTOR (MALE) 2P	1	
PP1601	VJP3126B024	CONNECTOR (MALE) 24P	1	
Q801	2SB1462	TRANSISTOR	1	
Q802	2SD968A-S	TRANSISTOR	1	
Q803,04	2SA1748	TRANSISTOR	2	
R801	ERJ6ENF4422	M.RESISTOR CH 1/10W 44.2K	1	
R802	ERJ6GEYJ3R9	M.RESISTOR CH 1/10W 3.9	1	
R803	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R804	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R805	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R806	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R807	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	
R808	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R809	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R810	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R815	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R816,17	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R818	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R819,20	ERJ6GEYJ275	M.RESISTOR CH 1/10W 2.7M	2	
R821	ERJ6GEYJ225	M.RESISTOR CH 1/10W 2.2M	1	
R823	ERJ3GEYJ120	M.RESISTOR CH 1/16W 12	1	
R829	ERJ6ENF4222	M.RESISTOR CH 1/10W 42.2K	1	
R834	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R835	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R840	ERJ8GEYJ305	M.RESISTOR CH 1/8W 3M	1	
R841,42	ERD21LLJ225	C.RESISTOR 1/8W 2.2M	2	
R843	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R844	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R845	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R850	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R851	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R852	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R853	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R855	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R865	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R884	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
⚠R1601	VSF0226D25T	FUSE	1	
R1602	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R1603	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R1699	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R1724	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1726	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1727	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
S801	VEE9711	CRT SOCKET	1	
T801	ECXC2802B	TRANSFORMER	1	
VR801	EVM7JGA00BE2	V.RESISTOR 220	1	
VR803	EVMLRGA00BV6	V.RESISTOR	1	
VR804	EVM7BSX30B55	V.RESISTOR 500K	1	
Z1601	VL2330/1HF	LITHIUM BATTERY	1	
		MISCELLANEOUS		
	VMP4952	DC-JACK EARTH ANGLE	1	
■	VEP28229L	E.V.F. C.B.A.		(RTL)
				NV-RX19B
				NV-RX20EG/EN/ENH/EU
C801	ECQV1H104JL	P.CAPACITOR 50V 0.1U	1	
C802-04	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	3	
C805	ECEA0JKE221	E.CAPACITOR 6.3V 220U	1	
C806	ECUX1C123KBV	C.CAPACITOR CH 16V 0.012U	1	
C807	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C809	ECA1CKF470	E.CAPACITOR 16V 47U	1	
C810	ECUM2A512JUM	C.CAPACITOR CH 100V 5100P	1	
C811	ECEA1CKE101	E.CAPACITOR 16V 100U	1	
C812	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C813	ECUM2J221KBM	C.CAPACITOR CH 630V 220P	1	
C814	ECEA1HSN010	E.CAPACITOR 50V 1U	1	
C815	ECUM2H331KBM	C.CAPACITOR CH 500V 330P	1	
C816	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C817	ECUM2A331JUM	C.CAPACITOR CH 100V 330P	1	
C818	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C831	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1603	ECEV1CA220	E.CAPACITOR CH 16V 22U	1	
D803	MA142WA	DIODE	1	
D1601	MA8130M	DIODE	1	
D1603	MA8130M	DIODE	1	
IC801	AN2516S	IC	1	
J1601	VEK7724	RFU	1	
L801	VLQ0319K100	COIL 10UH	1	
L802	ELH5L244	COIL	1	
L804	VLQ0163J680	COIL 68UH	1	
L805	VLQ0319K100	COIL 10UH	1	
L806	VLQ0426J330	COIL 33UH	1	
L1601,02	VLP0307	COIL	2	
P801	VJP1597T	CONNECTOR (MALE) 4P	1	
P803	VJP1596T	CONNECTOR (MALE) 3P	1	
P804	VJP1242T	CONNECTOR (MALE) 2P	1	
PP1601	VJP3126B024	CONNECTOR (MALE) 24P	1	
Q801	2SB1462	TRANSISTOR	1	
Q802	2SD968A-S	TRANSISTOR	1	
Q803,04	2SA1748	TRANSISTOR	2	
QR881	UN5212	TRANSISTOR-RESISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
QR882	UN2130X	TRANSISTOR-RESISTOR	1	
R801	ERJ6ENF4422	M. RESISTOR CH 1/10W 44.2K	1	
R802	ERJ6GEYJ3R9	M. RESISTOR CH 1/10W 3.9	1	
R803	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R804	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R805	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R806	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R807	ERJ3GEYJ150	M. RESISTOR CH 1/16W 15	1	
R808	ERJ3RBD242	M. RESISTOR CH 1/16W 2.4K	1	
R809	ERJ3GEYJ564	M. RESISTOR CH 1/16W 560K	1	
R810	ERJ3RBD104	M. RESISTOR CH 1/16W 100K	1	
R815	ERJ3GEYG102	M. RESISTOR CH 1/16W 1K	1	
R816, 17	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	2	
R818	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R819, 20	ERJ6GEYJ275	M. RESISTOR CH 1/10W 2.7M	2	
R821	ERJ6GEYJ225	M. RESISTOR CH 1/10W 2.2M	1	
R823	ERJ3GEYJ120	M. RESISTOR CH 1/16W 12	1	
R829	ERJ6ENF4222	M. RESISTOR CH 1/10W 42.2K	1	
R834	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	
R835	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
R840	ERJ8GEYJ305	M. RESISTOR CH 1/8W 3M	1	
R841, 42	ERD21LLJ225	C. RESISTOR 1/8W 2.2M	2	
R843	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
R844	ERJ3GEYJ390	M. RESISTOR CH 1/16W 39	1	
R845	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
R850	ERJ3RBD822	M. RESISTOR CH 1/16W 8.2K	1	
R851	ERJ3RBD392	M. RESISTOR CH 1/16W 3.9K	1	
R852	ERJ6GEYF822	M. RESISTOR CH 1/10W 8.2K	1	
R853	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R855	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1	
R865	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R883	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
⚠R1601	VSF0226D25T	FUSE	1	
R1602	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
R1603	ERJ3GEYJ564	M. RESISTOR CH 1/16W 560K	1	
R1690	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	
R1699	ERJ3GEYJ181	M. RESISTOR CH 1/16W 180	1	
R1724	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	1	
R1726	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R1727	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
S801	VEE9711	CRT SOCKET	1	
SW1695	VSQ0851	SWITCH	1	
SW1696	VSS0392	SWITCH	1	
T801	ECXC2802B	TRANSFORMER	1	
VR801	EVM7JGA00BE2	V. RESISTOR 220	1	
VR803	EVMLRGA00BV6	V. RESISTOR	1	
VR804	EVM7BSX30B55	V. RESISTOR 500K	1	
Z1601	VL2330/1HF	LITHIUM BATTERY	1	
		MISCELLANEOUS		
	VMP4952	DC-JACK EARTH ANGLE	1	
■	VEP22248A	CCD FLEX. CARD C.B.A.		(RTL)
B291	VJS3500C012	CONNECTOR (FEMALE) 12P	1	
C292	ECST1VX225Z	T. CAPACITOR CH 35V 2.2U	1	
C294	ECUM1H473KBN	C. CAPACITOR CH 50V 0.047U	1	
C295	ECUM1E104ZFN	C. CAPACITOR CH 25V 0.1U	1	
D291	MA153	DIODE	1	
Q291	2SC2295	TRANSISTOR	1	
R291	ERJ6GEYG560	M. RESISTOR CH 1/10W 56	1	
R292	ERJ6GEYF472	M. RESISTOR CH 1/10W 4.7K	1	
R293	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
	VJB22248	FLEX. CARD	1	
■	VEK8063	LENS FLEX. CARD C.B.A.		(RTL)
		MISCELLANEOUS		
	ON1004-R	PHOTO INTERRUPTER	1	
	SG-211S	PHOTO INTERRUPTER	1	
■	VEK8058	MIC UNIT		(RTL)
				NV-RX9B
				NV-RX10EG/A/EN/ENH/EU
C1501	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C1502	ECUM1H222KBN	C. CAPACITOR CH 50V 2200P	1	
C1504	ECUM1H821JCN	C. CAPACITOR CH 50V 820P	1	
C1505	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C1506	ECUM1C683KBN	C. CAPACITOR CH 16V 0.068U	1	
C4801	ECUM1C823KBN	C. CAPACITOR CH 16V 0.082U	1	
C4803	ECUX1H273KBN	C. CAPACITOR CH 50V 0.027U	1	
C4804	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C4805, 06	ECUX1H273KBN	C. CAPACITOR CH 50V 0.027U	2	
C4807	ECEA0JKS470	E. CAPACITOR 6.3V 47U	1	
D1501	MA153	DIODE	1	
D6802	PH310	DIODE	1	
FP1501	VJS2582B012	CONNECTOR (FEMALE) 12P	1	
J1501	VEJ1758	AV JACK BOARD	1	
LB1501	VLP0171	COIL	1	
LB1502	VLP0153	COIL	1	
Q4801-03	2SD601A	TRANSISTOR	3	
R1501	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	
R4801	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R4802	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R4803	ERJ6GEYJ334	M. RESISTOR CH 1/10W 330K	1	
R4804	ERJ6GEYF822	M. RESISTOR CH 1/10W 8.2K	1	
R4805	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
R4806	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R4807	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	
R4808, 09	ERJ6GEYG683	M. RESISTOR CH 1/10W 68K	2	
R4810	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	
R4811	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
S4801	EVQPA205R	SWITCH	1	
W1501	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
W1503	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
W1505	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
■	VEK7707	MIC UNIT		(RTL)
				NV-RX19B
				NV-RX20EG/EN/ENH/EU
C4801	ECUM1C823KBN	C. CAPACITOR CH 16V 0.082U	1	
C4803	ECUX1H273KBN	C. CAPACITOR CH 50V 0.027U	1	
C4804	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C4805, 06	ECUX1H273KBN	C. CAPACITOR CH 50V 0.027U	2	
C4807	ECEA0JKS470	E. CAPACITOR 6.3V 47U	1	
C6801	ECST0JY106Z	T. CAPACITOR CH 6.3V 10U	1	
D6801	BR2202S-20B1	DIODE	1	
FP4801	VJS3623A008W	CONNECTOR (FEMALE) 8P	1	
IC6801	VEK6546	IC	1	
Q4801-03	2SD601A	TRANSISTOR	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4801	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
R4802	ERJ6GEYG222	M. RESISTOR CH 1/10W 2.2K	1	
R4803	ERJ6GEYJ334	M. RESISTOR CH 1/10W 330K	1	
R4804	ERJ6GEYF822	M. RESISTOR CH 1/10W 8.2K	1	
R4805	ERJ6GEYJ224	M. RESISTOR CH 1/10W 220K	1	
R4806	ERJ6GEYG152	M. RESISTOR CH 1/10W 1.5K	1	
R4807	ERJ6GEYF123	M. RESISTOR CH 1/10W 12K	1	
R4808, 09	ERJ6GEYG683	M. RESISTOR CH 1/10W 68K	2	
R4810	ERJ6GEYG332	M. RESISTOR CH 1/10W 3.3K	1	
R4811	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	1	
R6801	ERJ8GEYJ330	M. RESISTOR CH 1/8W 33	1	
R6802	ERJ6GEYG181	M. RESISTOR CH 1/10W 180	1	
■	VEP00X56A	FRONT C. B. A.		(RTL)
				NV-RX19B
				NV-RX20EG/EN/ENH/EU
FP501	VJS2949B009	CONNECTOR (FEMALE) 9P	1	
S501	EVQPA205R	SWITCH	1	
VR501	EVJ4YOFB4B15	V. RESISTOR 100K	1	
■	VEP00X57C	AV JACK C. B. A.		(RTL)
				NV-RX19B
				NV-RX20EG/EN/ENH/EU
C1501	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C1502	ECUM1H222KBN	C. CAPACITOR CH 50V 2200P	1	
C1504	ECUM1H821JCN	C. CAPACITOR CH 50V 820P	1	
C1505	ECUM1H103KBN	C. CAPACITOR CH 50V 0.01U	1	
C1506	ECUM1C683KBN	C. CAPACITOR CH 16V 0.068U	1	
D1501	MA153	DIODE	1	
FP1501	VJS2582B009	CONNECTOR (FEMALE) 9P	1	
J1501	VEJ1758	AV JACK BOARD	1	
LB1501	VLP0171	COIL	1	
LB1502	VLP0153	COIL	1	
R1501	ERJ6GEYG331	M. RESISTOR CH 1/10W 330	1	
W1501	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
W1503	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
W1505	ERJ6GEY0R00	M. RESISTOR CH 1/10W 0	1	
		MISCELLANEOUS		
	VMP5124	AV EARTH ANGLE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks

Memo

INTERNAL REFERENCE CODES NOTE: This chart is only for internal reference. Do not order any parts according to these codes.	
P.C.B.	FILM CODE
AV JACK	HOYT00-00X57
AV JACK	HOYT00-00Y25
CAMERA/MAIN	HOYT00-23432
EVF	IIOYT02-28229
CCD FLEXIBLE CARD	HOYT00-22248
MIC	HOYT00-04635
MIC	HOYT00-04663
FRONT OPERATION	HOYT00-00X56
AE SW	HOYT00-00Y46

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